

Metadata som hävstång

Olle Olsson

SICS
W3C



Metadata – vad?

- "Data om data"
- Utsagor om något [data] objekt
 - Metautsagor om målobjekt
- Metautsagor representerat i någon form (metadataobjekt)
 - Ett metadataobjekt
 - Flera metadataobjekt
 - Metautsagor i målobjektet

Fysisk metadata



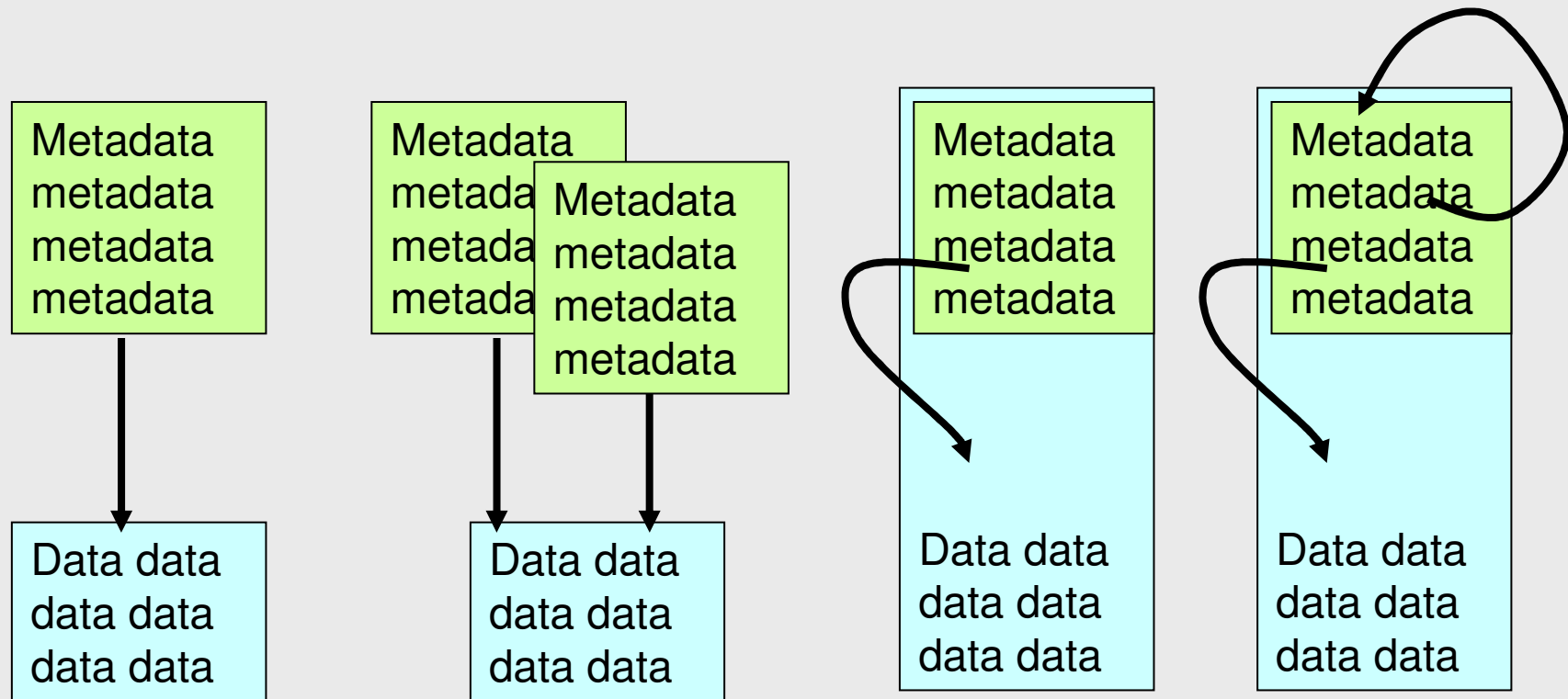
Metadata - film

PLAYERS	
Dea	MARY PHILBIN
Gwynplaine	CONRAD VEIDT
Gwynplaine [as a child] ..	Julius Molnar, Jr.
Duchess Jostana	Olga Baclanova
Barkilphedro	Brandon Huret
Ursus	Cesare Gravina
Lord Dirry-Moir	Stuart Holmes
King James	Sam DeGrasse
Dr. Hardquanonne	George Siegmann
Queen Anne	Josephine Crowell
Innkeeper	Charles Puffy
Homo, the Wolf	'Zimbo'

Metadata - film

Prosthetic and Animatronics by	SCHMINKEN STUDIO INC.
Key Prosthetics Make-Up Effects	TOBY LINDALA
Lead Make-Up Effects	HARLOW MACFARLANE
Shop Coordinator	LANCE WEBB
Make-Up Effects and Prosthetic Artist	REBECCA DEL CHAMBRE
Key Make-Up Effects "Tiffany Stone"	WESLEY WOFFORD
Make-Up Effects Artist "Tiffany Stone"	TODD TUCKER
Make-Up Effects "Oprah"	VINCENT GUASTINI
"Oprah" Facial Prosthetics	INTI DESIGN
Make-Up Effects Supervisor	FELIX FOX
Sculptor and Prosthetic Artist	WARREN KIRSCHNER
Sculptor	JAMIE SALMON

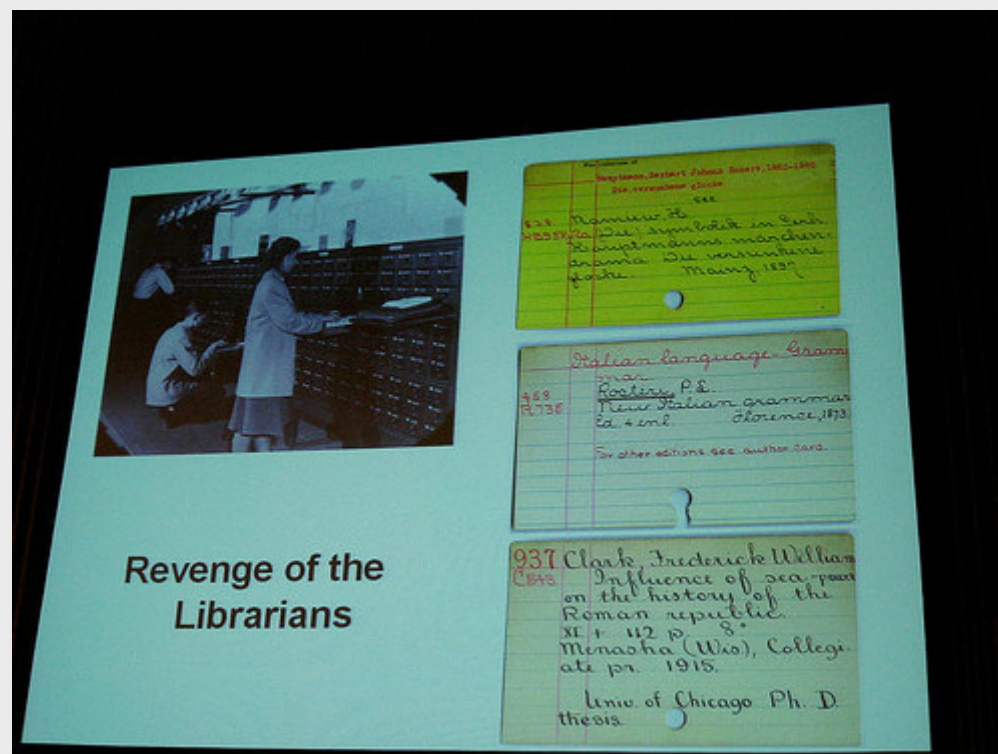
Metadata och data



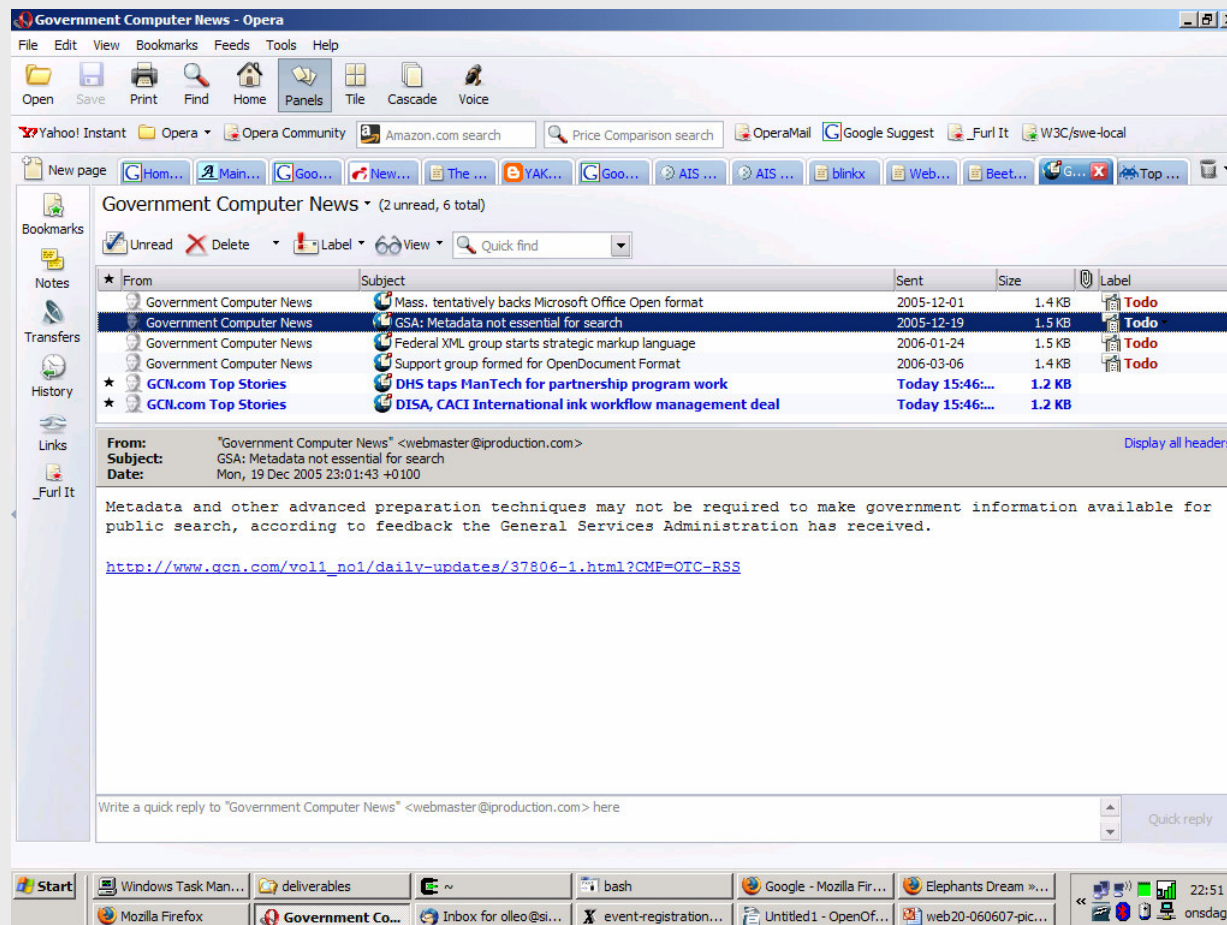
Metadata i vardagen



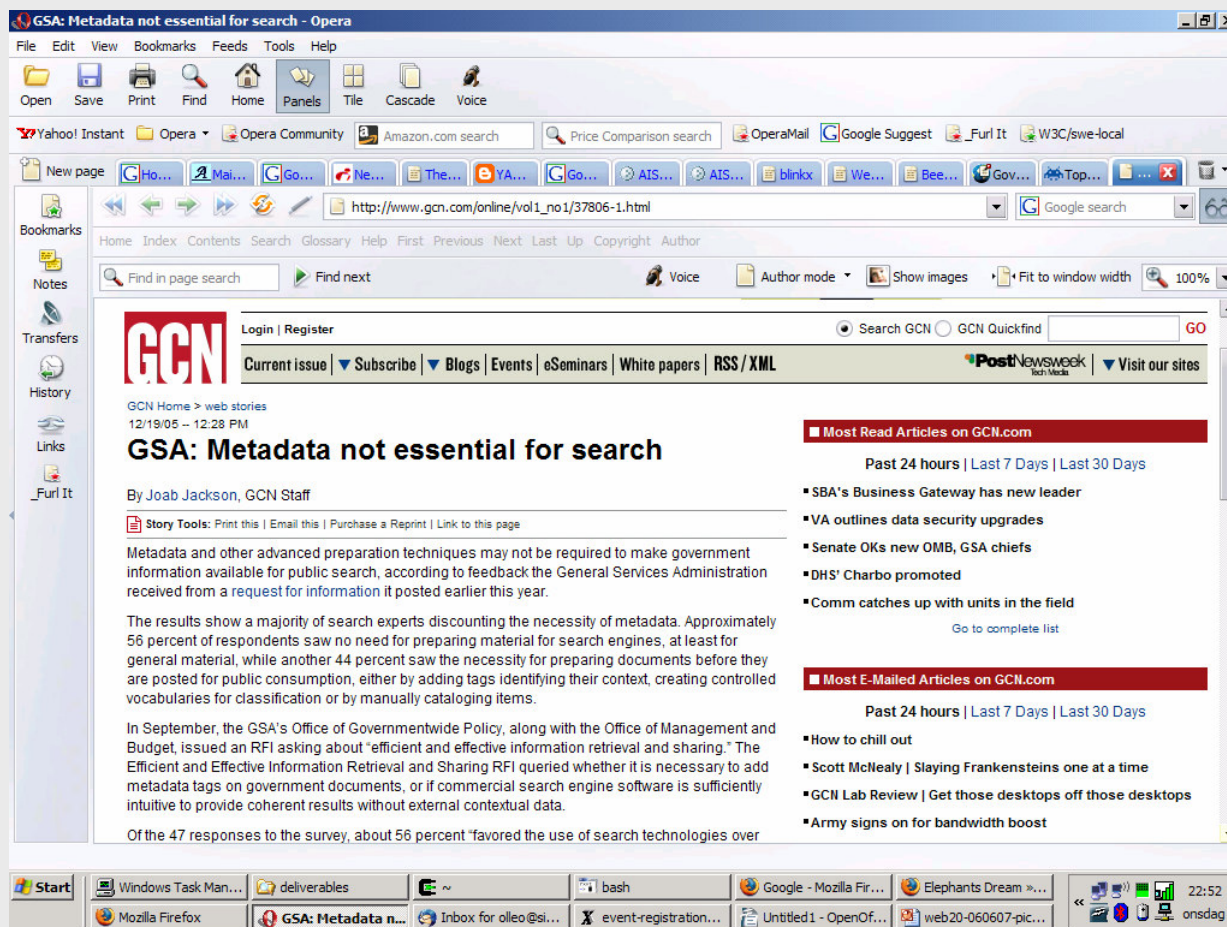
Metadata i tidigare vardagen



Metadata – nyhetskanaler/RSS



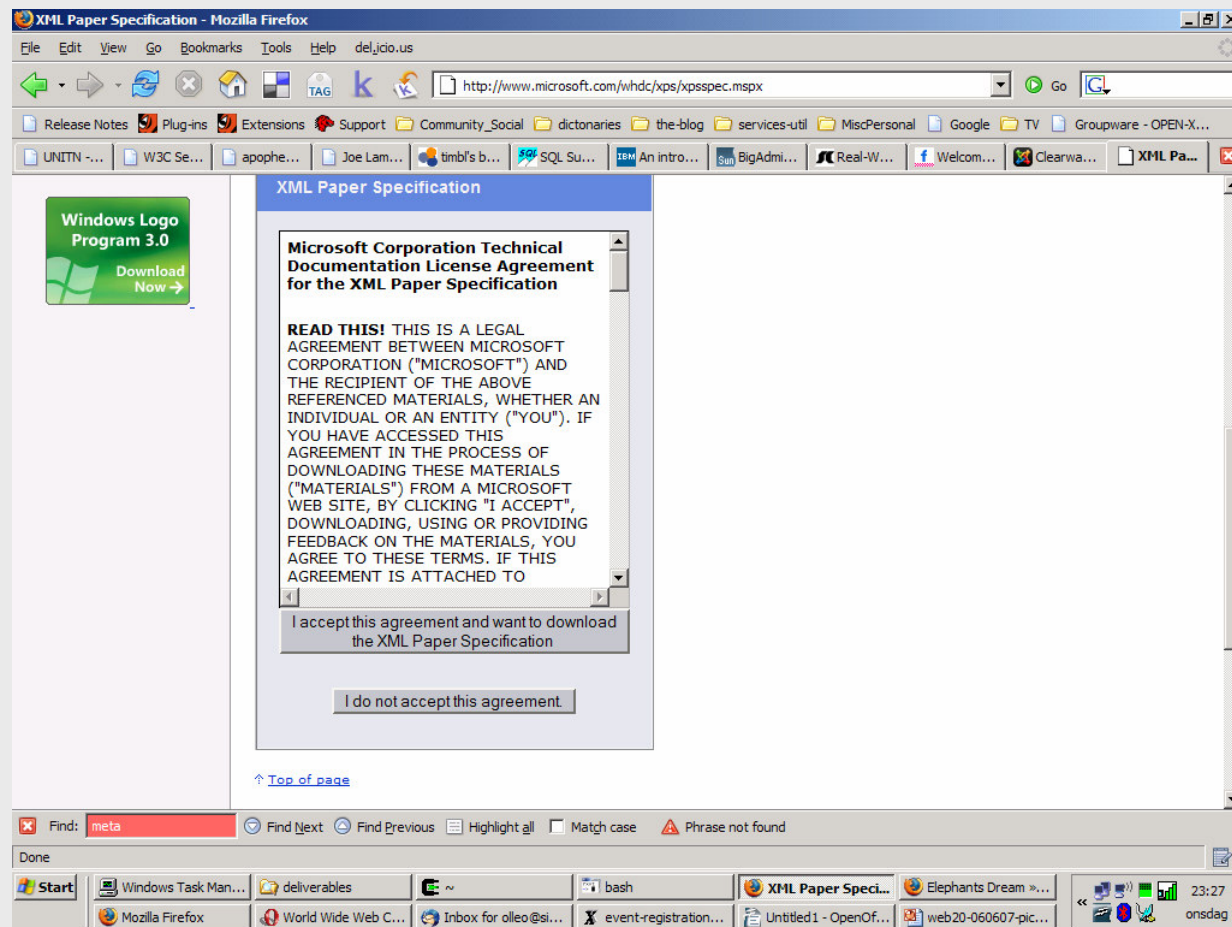
Metadata – nyhetskanaler/RSS



Mot det juridiska området ...

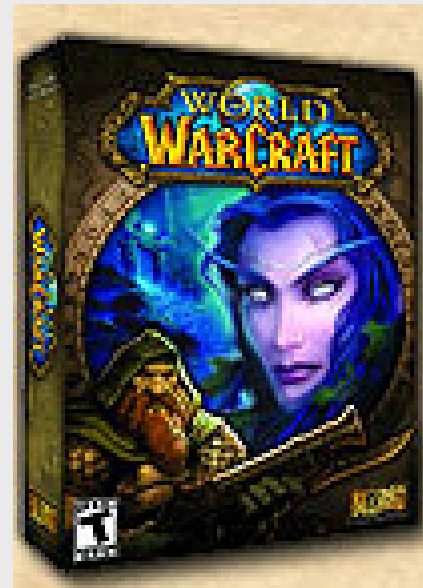


Licensavtal – EULA



”World of Warcraft”

- Populärt äventyrsspel



"World of Warcraft" - avtal

- EULA: Total: 2562 words
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- Terms of Use: 6237 words
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Intuitiv karaktärisering

**CLEARWARE
COMMONS DEED**

This is a human-readable summary of the [Legal Code \(the full license\)](#)

This deed is provided by Brian Erdelyi for Blizzard Entertainment's World of Warcraft

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Under the following conditions:

☐ Age Limit. There is an age limit to use the software	☐ Additional Terms. You agree to additional or modified terms and/or conditions
☐ Reverse-Engineering. Do not reverse engineer	☐ Derivative Works. Do not modify or create derivative works of the software
☐ Third-Party Products. Do not use with other software or hardware	☐ Transfers. Do not transfer, redistribute, sublicense, sell or lease to others
☐ Interference. Do not interfere with the operation of the software	

You accept the following functionality:

☐ Collect Personal Information. Collects personal information	☐ Collect Usage Information. Collects information about how you use your system
☐ Additional Software. Installs additional software	☐ Collect System Information. Collects information about the configuration of your system
☐ Rights Management Includes copy protection, digital rights management or other usage enforcing technology	☐ Software Modifications. Modifies the system or other applications

EULA – tre versioner

- **Lawyer Readable (Legal Code)**
- **Human Readable (Clearware Label)**
 - **Permissions**
 - Remove Software
 - Opt-In
 - Opt-Out
 - **Prohibitions**
 - **Requirements**
 - **Functions**
- **Machine Readable (Digital Code)**



<http://www.clearware.org/>

EULA



Abcdef ghi jkl mno
pqr stu wvx yz
Abcdef ghi jkl mno
pqr stu wvx yz
Abcdef ghi jkl mno
pqr stu wvx yz

```
<rdf:RDF
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arware.org/license/"
  xmlns:cc="http://web.r
esource.org/cc/"
  xmlns:dc="http://purl.
org/dc/elements/1.1/"
  xmlns:rdf="http://www
.w3.org/1999/02/22-
rdf-syntax-ns#">
  <Work
    rdf:about="http://www.
whenu.com/vvsn/exe/
SetupSearchBar.exe"
  > ...
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Abcdef ghi jkl mno
pqr stu wvx yz
Abcdef ghi jkl mno
pqr stu wvx yz
Abcdef ghi jkl mno
pqr stu wvx yz

Personlig integritet på webben

Platform for Privacy Preferences (P3P)

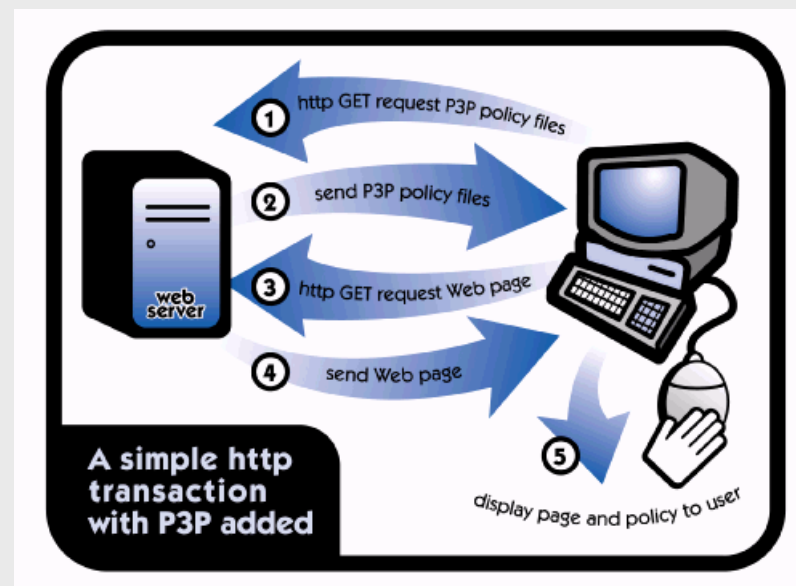
Aspekter på personlig integritet

.... detail the data being tracked by the site.

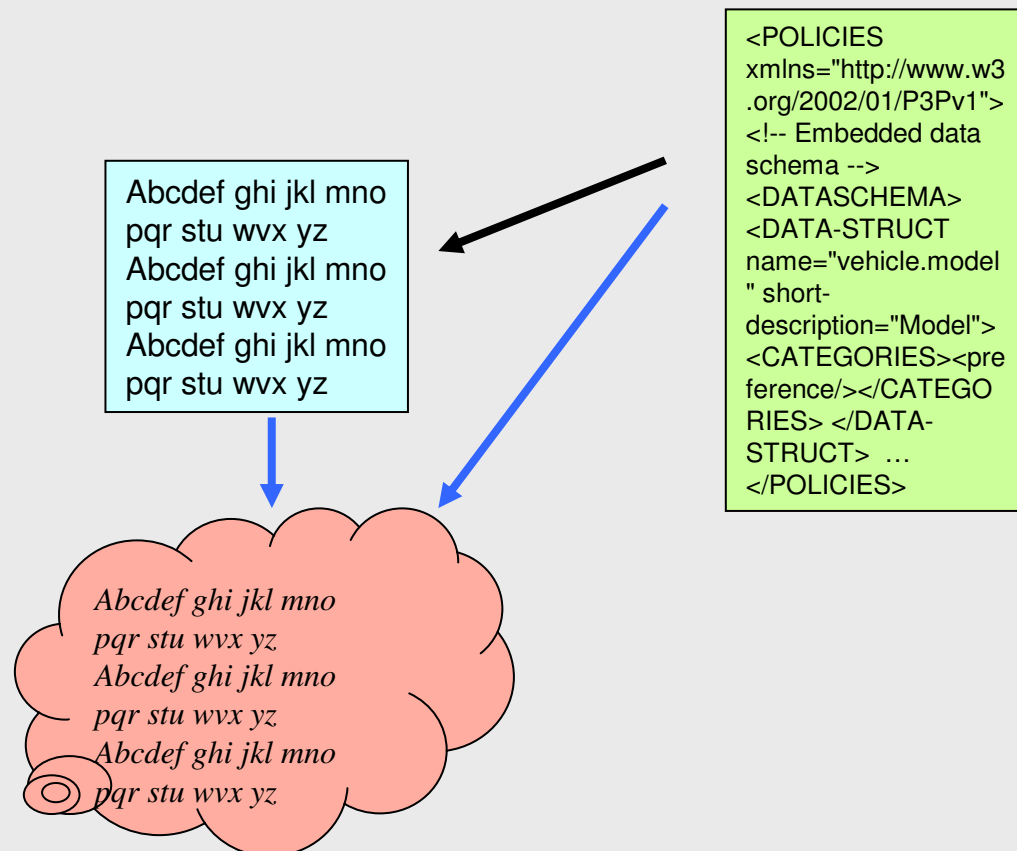
- Who is collecting this data?
- Exactly what information is being collected?
- etc

...explain the site's internal privacy policies.

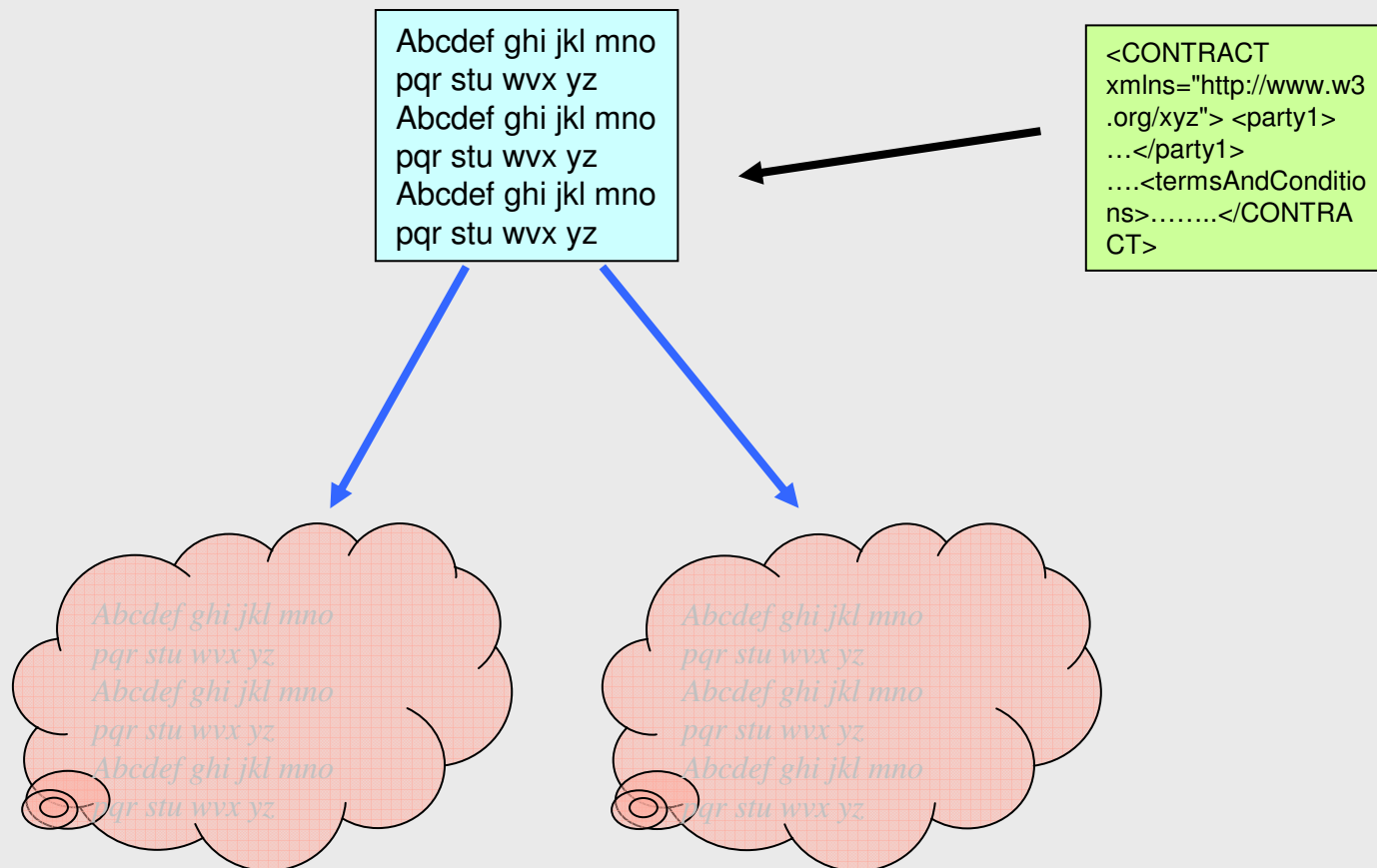
- Can users make changes in how their data is used?
- ...
- *Where can the detailed policies be found in "human readable" form?*



Personlig integritet - policies



E-Kontrakt



Lagar, regleringar, förordningar, ...

- Traditionell representation
 - Papper
- Tydlig trend
 - Digital representation
 - strukturell representation
- Kritiska omvärldsförändringar
 - Globalisering
 - förändringshastighet
- Nya användare? Nya användningar?

Initiativ

- Initiativ:
 - LegalXML
 - LEXML
- Struktur m.h.a. XML

LegalXML

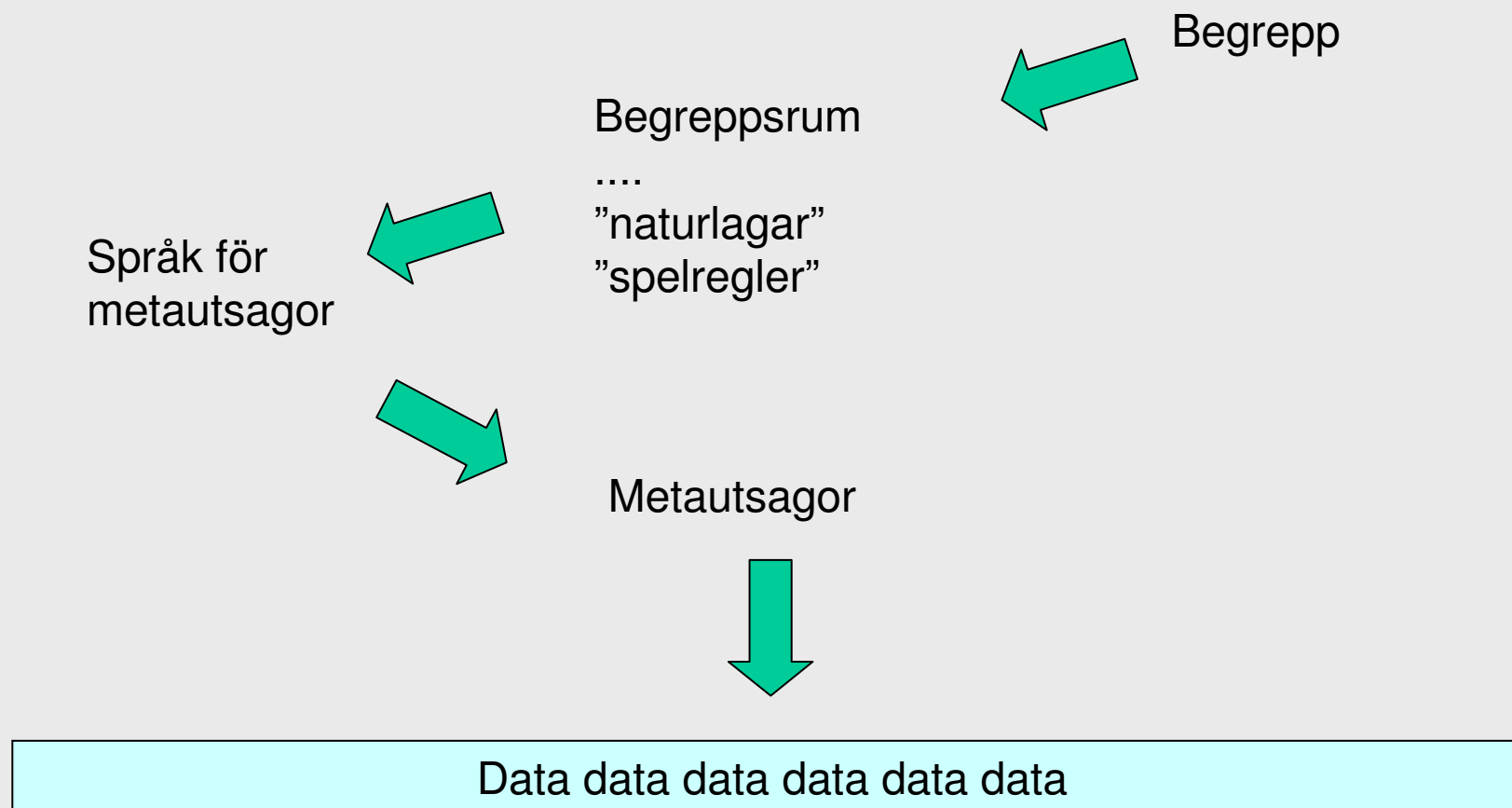
- **Electronic Court Filing**
 - *Using XML to create and transmit legal documents among attorneys, courts, litigants, and others.*
- **eContracts**
 - *Enabling the efficient creation, maintenance, management, exchange, and publication of contract documents and terms*
- **eNotarization**
 - *Developing technical requirements to govern self-proving electronic legal information*
- **Integrated Justice**
 - *Facilitating the exchange of data among justice system branches and agencies for criminal and civil cases*
- **Lawful Intercept**
 - *Production of a structured, end-to-end lawful interception process framework consisting of XML standards and authentication mechanisms, including identifiable related XML standards and XML translations of ASN.1 modules.*

<http://www.legalxml.org/>

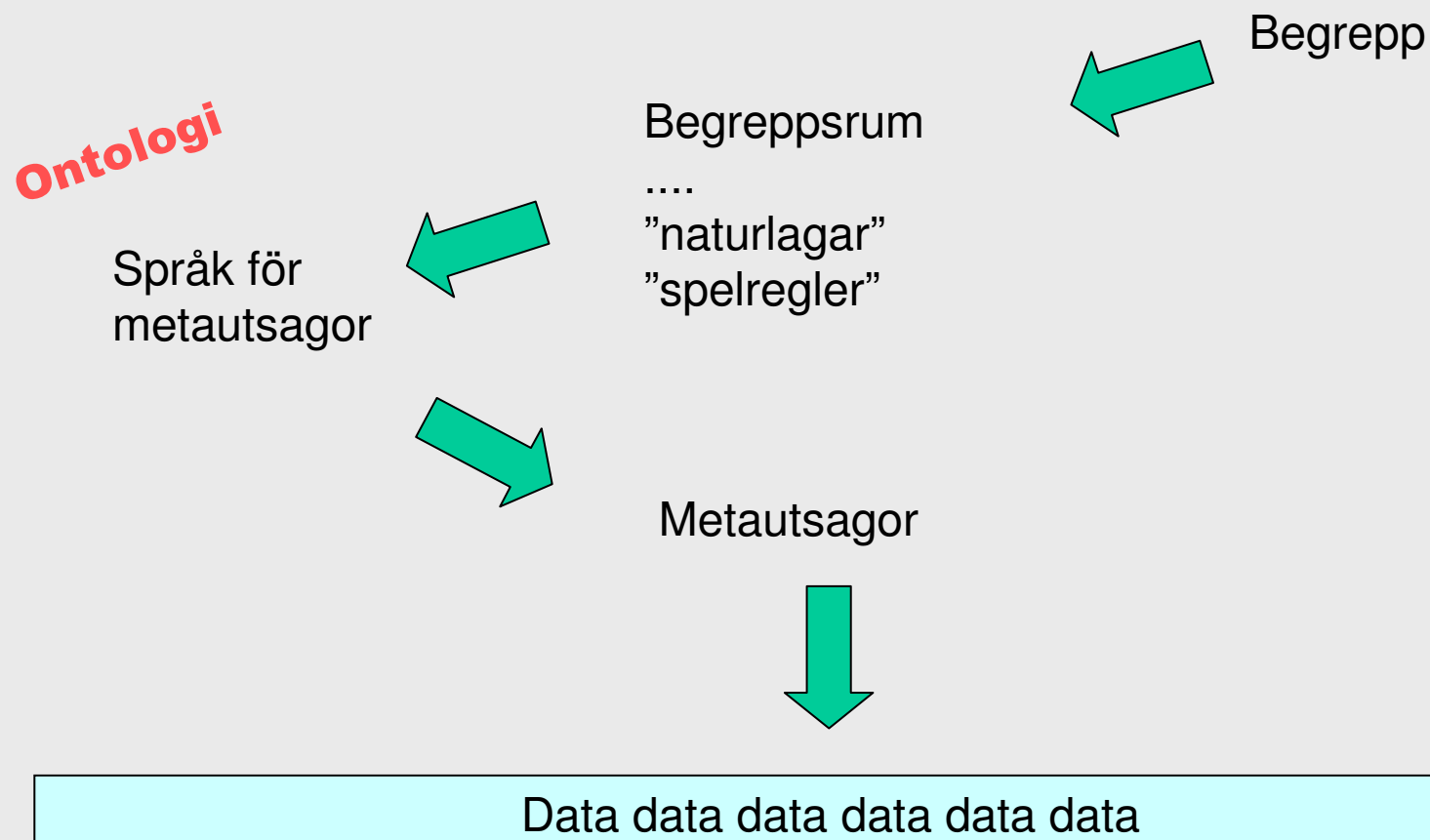
Användningar ("use cases")

- Hitta informationsresurser
 - Sökmotorer utnyttjar metadata om informationsresurser
- Öka förståelse om informationsresurser
 - Förenkla, sammanfatta, ...
 - Förtydliga det som är implicit
 - Utvidga med nya fakta
- Särskilja informationsresurser
 - Förtydliga essentiala skillnader
- Relatera informationsresurser
 - Framlyfta likheter och beroenden

Metadata – termer / begrepp / ontologier



Metadata – termer / begrepp / ontologier



Tack!