



Semantic Web Use Cases and Case Studies

World Wide Web Consortium

(Last update: 2012-06-11)

> What are these?

- Testimonials on how Semantic Web technologies are used by companies and institutions
 - **Case Studies** describe *deployed* systems that have been deployed within an organization
 - **Use Cases** are systems an organization has built as a prototype system, but it is not currently being used by business functions.
- All use cases and case studies have been submitted by the relevant institution, and not produced by W3C...

> These slides...

- ... are not a separate presentation
- ... are here to be included in other presentations; cut and paste should be all right
- For the detailed description of the various use cases see the [Use Cases' homepage](#) that links to the specific descriptions

> Current list: Use Cases

- *Reduction of Errors in Radiological Procedure Orders*, Agfa Healthcare, Belgium
- *B2B Integration with Semantic Mediation*, BT Research and Venturing, United Kingdom
- *Active Knowledge Management for Integrated Operations*, Computas AS and Statoil, Norway
- *Enhancing Web Searches within the Principality of Asturias*, CTIC Foundation, University of Oviedo, and the Principality of Asturias, Spain

> Current list: Use Cases (cont)

- *Drug Ontology Project for Elsevier, Elsevier, Aduna, and Vrije Universiteit Amsterdam*
- *Ontology-Driven Information Integration and Delivery, Chevron Information Technology Company, United States*
- *Applying the Semantic Web to Internal Compound Repurposing, Pfizer Ltd., United Kingdom*
- *Semantic Web Technologies in Automotive Repair and Diagnostic Documentation, Renault, France*
- *How Ontologies and Rules Help to Advance Automobile Development, Audi, Achievo Inproware GmbH, and ontoprise GmbH, Germany*

> Current list: Use Cases (cont)

- *Helping New Judges Answer Complex Legal Questions*, Spanish General Council of the Judiciary, Spain
- *WEASEL, Vodafone R&D Corporate Semantic Web*, Vodafone Group Research & Development, Spain
- *Mobile Content Recommendation System*, Saltlux and Korea Telecom Freetel, Korea
- *OntoFrame 2008—A Semantic Portal Service of Academic Research Information*, KISTI, Korea

> Current list: Case Studies

- *The Semantic Web for the Agricultural Domain, a Semantic Navigation of Food, Nutrition and Agriculture Journal*, Food and Agriculture Organization of the United Nations, Italy
- *Real Time Suggestion of Related Ideas in the Financial Industry*, Bankinter, Spain
- *NASA's Expertise Location Service*, Clark & Parsia, LLC, and NASA
- *A Semantic Web Content Repository for Clinical Research*, Cleveland Clinic, United States
- *KDE 4.0 Semantic Desktop Search and Tagging*, Nepomuk Project, Germany
- *Semantic matchmaking for eTourism in Zaragoza*, City Council of Zaragoza and CTIC Foundation, Spain

> Current list: Case Studies (cont)

- *Active Knowledge Management for Integrated Operations*, Computas AS and Statoil, Norway
- *Digital Music Archive*, ESIS and NRK, Norway
- *Semantic Tags*, Faviki, Serbia
- *An Ontology of Cantabria's Cultural Heritage*, Fundación Marcelino Botín, Spain
- *Prioritization of Biological Targets for Drug Discovery*, Eli Lilly, United States
- *Geographic Referencing Framework*, Ordnance Survey, United Kingdom
- *Enhancement and Integration of Corporate Social Software Using the Semantic Web*, Electricité de France and LaLIC, Université Paris-Sorbonne

> Current list: Case Studies (cont)

- *Composing Safer Drug Regimens for the Individual Patient using Semantic Web Technologies*, PharmaSURVEYOR Inc., United States
- *Public Health Situation Awareness*, School of Health Information Sciences, University of Texas, United States
- *Improving the reliability of Internet search results using Search Thresher*, Segala, Ireland
- *Enhancing Content Search Using the Semantic Web*, Siderean Software and Oracle Corporation, United States
- *Semantic MDR and IR for National Archives*, Saltlux and National Archives of Korea, Korea
- *Use of Semantic Web Technologies on the BBC Web Sites*, BBC, United Kingdom

> Current list: Case Studies (cont)

- *The swoRDFish Metadata Initiative: Better, Faster, Smarter Web Content*, Sun Microsystems, Inc., and Zepheira, United States
- *Use of Semantic Web Technologies in Natural language interface to Business Applications*, Tata Consultancy Services Limited, India
- *Semantic Content Description to improve discovery*, Vodafone, United Kingdom
- *Integrated, Connected Search Service for Technical Standards Information*, KISTI and KAST, Korea
- *iLaw—Intelligent Legislation Support System*, KISTI and MOJ, Korea

> Current list: Case Studies (cont)

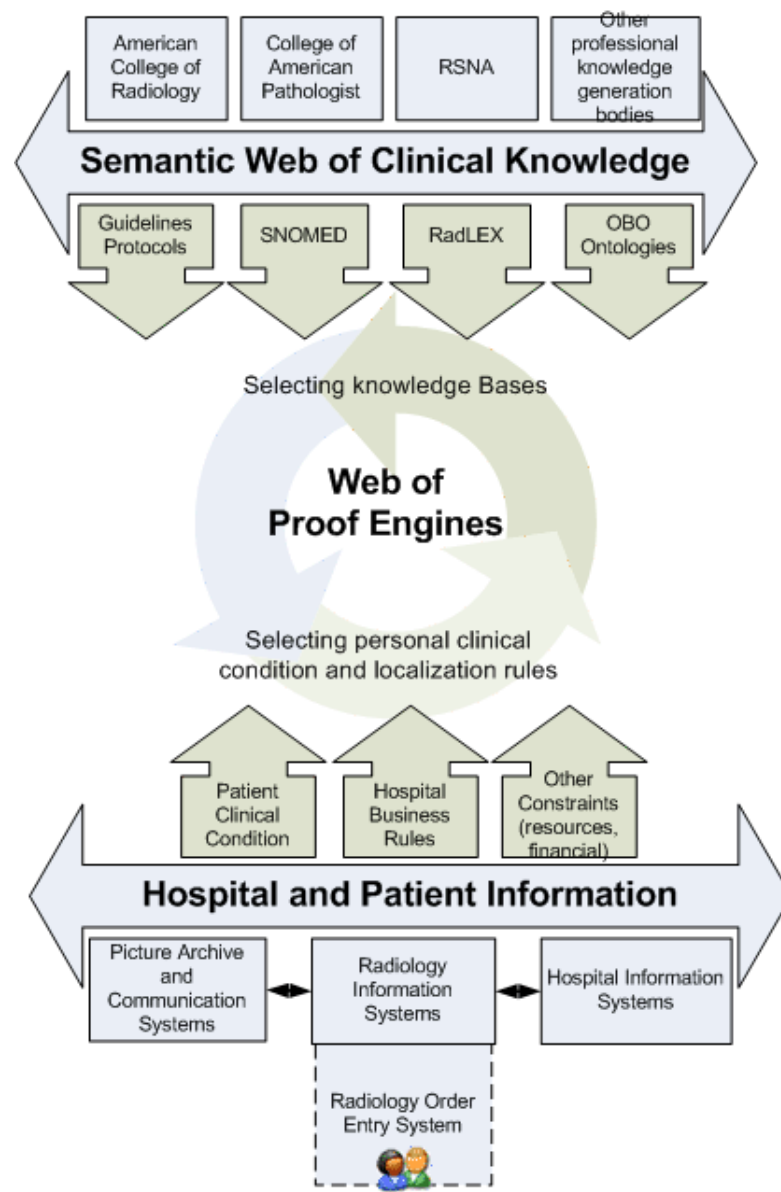
- *An Intelligent Search Engine for Online Services for Public Administrations, Municipality of Zaragoza, Spain*
- *Semantic-based Search and Query System for the Traditional Chinese Medicine Community, Zhejiang University and China Academy of Chinese Medicine Sciences, China*
- *Improving Web Search using Metadata, Yahoo! Research, Spain*
- *Twine, United States*
- *Publishing STW Thesaurus for Economics as Linked Open Data, Germany*

> Current list: Case Studies (cont)

- *Online Resource for Information on Aquatic Sciences, Spain*
- *Applied Semantic Knowledgebase for Detection of Patients at Risk of Organ Failure through Immune Rejection, USA and Canada*
- *Contextual Search for Volkswagen and the Automotive Industry, United Kingdom*
- *Enriching and sharing cultural heritage data in Europeana, The Netherlands*

Reduction of Errors in Radiological Procedure Orders

- Clinical (textual) guidelines exist to assist clinicians for the appropriate radiological procedures
 - guidelines and protocols from different OWL sources are integrated
- SW engines generate recommendations for radiology orders
- Prevents, e.g., medical errors, spreads the need for development/maintenance of knowledge bases, traces the provenance of facts and rules in decision making

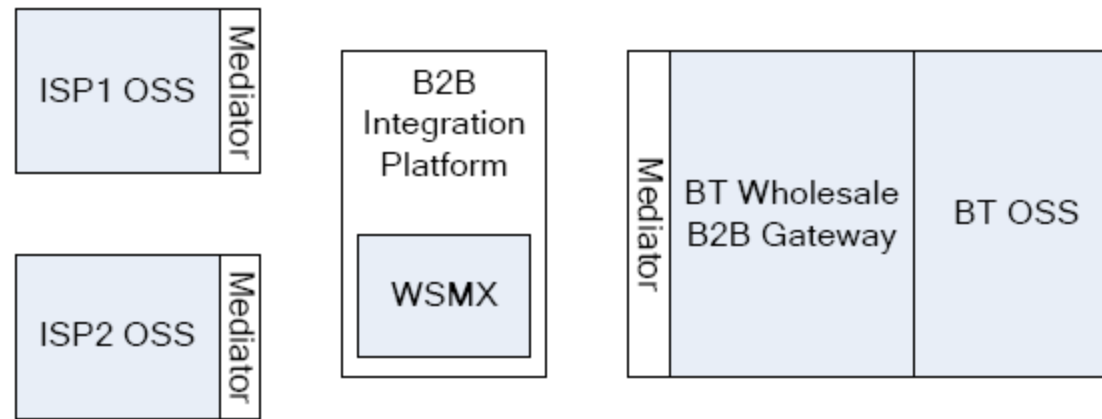


Courtesy of Jos De Roo and Helen Chen, Agfa Healthcare, ([SWEQ Use Case](#))

Integration with Semantic Mediation

- The complexity of supply chains has increased, they involve many players of differing size and function
- Support for “Operational Support Systems (OSS)” integration using semantic descriptions of system interfaces and messages
- Internet Service Providers integrate their OSS-s with those of BT (via a gateway)
- Integration of heterogeneous OSS systems of partners
- The approach reduces costs and time-to-market; ontologies allow for a reuse of services

> BT Research and Venturing



Courtesy of Alistair Duke, BT, ([SWEO Use Case](#))

Active Knowledge Management for Integrated Operations


- Integration of experience and data in the planning and operation of deep sea drilling processes
- Discover relevant experiences that could affect current or planned drilling operations
 - uses an ontology backed search engine



The screenshot displays the AKSIO search interface. At the top, there is a search bar with the text 'leak in barrier elements' and a search button. Below the search bar, there are search filters for 'discipline', 'operation', 'equipment', 'state', 'keywords_ref', and 'wellbore_id_ref'. The 'state' filter is expanded, showing a list of states with checkboxes and counts: Corrosion (1), Erosion (2), Lack Of Maintenance (2), Leak in barrier elements (5), Scale Deposition (4), Too High Mud Density (1), and Well Integrity Problem (7). The 'field_id' filter is also expanded, showing a list of field IDs with checkboxes and counts: EXPLORATION (1), GULLFAKS (1), HEIDRUN (1), HULDRA (1), MIDGARD (2), RIMFAKS (1), SNORRE (1), and VISUND (2). The search results are displayed in a table with 7 results. The first result is 'Top plug/20" EZSY' with a 55% annotation score. The second result is 'RIH with drill stem teststring.' with a 50% annotation score. The third result is 'Flowing well' with a 47% annotation score. The fourth result is 'Fill drop sub. assy prior to making up packer for barrier assy to avoid possible trapped pressure.' with a 39% annotation score. Each result includes a description and a list of related terms.


Enhancing Web Searches within the Principality of Asturias

- Portal to access governmental information (new laws, announcement, notifications, funding opportunities)
 - These information often use special juridical jargon
 - Traditional syntactic search become difficult: the user would use different terms than the juridical text
- A semantic web based “bridge” is created to search, using SKOS vocabularies and other ontologies



GOBIERNO DEL PRINCIPADO DE ASTURIAS
www.asturias.es

Contacto Proyecto BOPA



Estás en: Inicio | [Buscador tradicional](#) | [Buscador temático](#)

Buscador Experimental del BOPA

Paso 1-Buscador

dinero para iglesias

Paso 2-Temas relacionados

> [Ayudas \(cultura y ocio\)](#)

Disposiciones encontradas con búsqueda temática en **Ayudas (cultura y ocio)**

Mostrando 100 primeros resultados (encontrados 132 artículos en 0,503 seg.)

| Relevancia | Titulo | Fecha |
|------------|--|------------|
| 1 | RESOLUCION de 30 de diciembre de 2005, de la Consejería de Cultura, Comunicación Social y Turismo, por la que se convocan subvenciones para la restauración de Bienes de Interés Histórico para particulares e instituciones sin ánimo de lucro. | 2006-02-02 |
| 2 | RESOLUCION de 30 de diciembre de 2004, de la Consejería de Cultura, Comunicación Social y Turismo, por la que se convocan subvenciones para la restauración de bienes de interés histórico para Corporaciones Locales. | 2005-02-01 |

Paso 3-Información

> Encontró lo que esperaba:
Sí

> Frecuencia de uso:
Diaria

> Mándenos sus comentarios:

A Survey of Semantic Web Technology in the Oil and Gas Industry

- Fluor Corporation's ADI project: exchange, and hand-over of information between all parties involved during the entire life cycle of a plant, using RDF/OWL
- Norwegian Daily Production Report (DPR): standardize production data reporting
- AKSIO project: develops an integrated system to support drilling operations in offshore oilfields

A Survey of Semantic Web Technology in the Oil and Gas Industry (cont.)

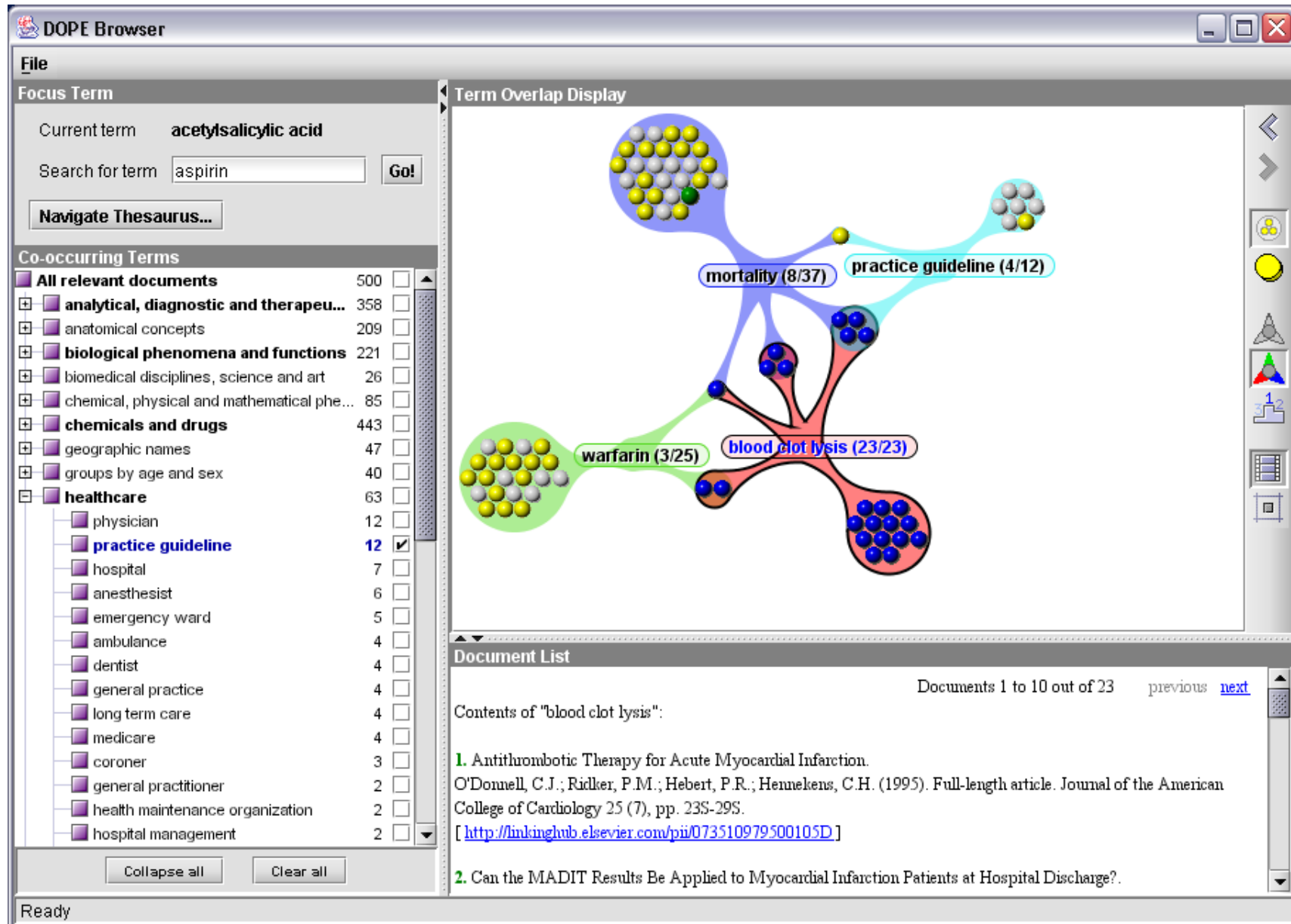
- Integrated Information Platform (IIP) project: integrates data for subsea seismic equipment, drilling, production, onshore operations, expert centers, ...
- InfoWeb: knowledge base to include such as refineries and chemical plants, power plants, etc, based on ISO 15926
- Geosciences Network (GEON Grid): supports the National Carbon Sequestration database, using OWL

Ontology-Driven Information Integration and Delivery

- A portal for the search, navigation and delivery of the underlying resources
- It establishes stable and reusable domain indexes that are separate from the organization of the portal
- The ontology-driven navigation provides relationships discovery, advanced drill down capabilities, better aggregation, organization, filtering

Drug Ontology Project for Elsevier (DOPE)

- Goal: provide a single interface access to multiple information sources (in the life science domain)
- Use and RDF based thesauri and metadata to index and describe different data sources
- Provide a search facility and browser using the thesauri and the metadata to help search, find related items, etc



DOPE Browser

File

Focus Term

Current term: **acetylsalicylic acid**

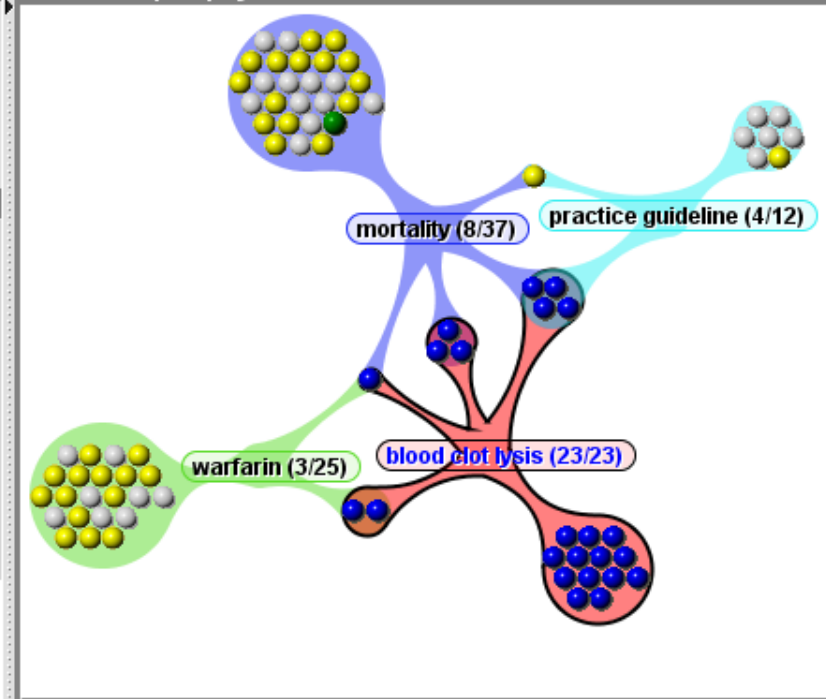
Search for term: **Go!**

Navigate Thesaurus...

Co-occurring Terms

| Term | Count | Selected |
|--|-------|-------------------------------------|
| <input checked="" type="checkbox"/> All relevant documents | 500 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> analytical, diagnostic and therapeu... | 358 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> anatomical concepts | 209 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> biological phenomena and functions | 221 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> biomedical disciplines, science and art | 26 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> chemical, physical and mathematical phe... | 85 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> chemicals and drugs | 443 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> geographic names | 47 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> groups by age and sex | 40 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> healthcare | 63 | <input type="checkbox"/> |
| <input type="checkbox"/> physician | 12 | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> practice guideline | 12 | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> hospital | 7 | <input type="checkbox"/> |
| <input type="checkbox"/> anesthetist | 6 | <input type="checkbox"/> |
| <input type="checkbox"/> emergency ward | 5 | <input type="checkbox"/> |
| <input type="checkbox"/> ambulance | 4 | <input type="checkbox"/> |
| <input type="checkbox"/> dentist | 4 | <input type="checkbox"/> |
| <input type="checkbox"/> general practice | 4 | <input type="checkbox"/> |
| <input type="checkbox"/> long term care | 4 | <input type="checkbox"/> |
| <input type="checkbox"/> medicare | 4 | <input type="checkbox"/> |
| <input type="checkbox"/> coroner | 3 | <input type="checkbox"/> |
| <input type="checkbox"/> general practitioner | 2 | <input type="checkbox"/> |
| <input type="checkbox"/> health maintenance organization | 2 | <input type="checkbox"/> |
| <input type="checkbox"/> hospital management | 2 | <input type="checkbox"/> |

Term Overlap Display



Document List

Documents 1 to 10 out of 23 [previous](#) [next](#)

Contents of "blood clot lysis":

1. Antithrombotic Therapy for Acute Myocardial Infarction.
O'Donnell, C.J.; Ridker, P.M.; Hebert, P.R.; Hembekens, C.H. (1995). Full-length article. Journal of the American College of Cardiology 25 (7), pp. 23S-29S.
[<http://linkinghub.elsevier.com/pii/S073510979500105D>]
2. Can the MADIT Results Be Applied to Myocardial Infarction Patients at Hospital Discharge?

Courtesy of Anita de Waard, Elsevier, Christiaan Fluit, Aduna, and Frank van Harmelen, VU Amsterdam ([SWEO Use Case](#))

Applying the Semantic Web to Internal Compound Repurposing

- Re-use data accumulated in older (possibly abandoned or unsuccessful) drug discovery experiments
 - goal is to maximize efficiency and use previous work
- Old data are kept in XML and/or databases, but export key “facts” in RDF
- The integrated data is visualized through, eg, MIT’s Exhibit technology

Internal Compound Repurposing Example

Welcome, Allergy & Respiratory Team Member

This tool allows you to identify opportunities for additional uses of compounds from other teams within your project. It combines internal data, public data and the results of data mining experiments to provide testable hypotheses.

Control Panel & Item Filtering

| Area | 5/7 Approach | 3/7 Term+Reason | 1/7 Max_Stage_Reached | 1/7 Literature Links |
|-----------------------|---|--|---|--|
| 2/9 Pain | <input checked="" type="checkbox"/> 7 Antibody | <input type="checkbox"/> 3/7 ACTIVE | <input type="checkbox"/> 5/1 Candidate | <input checked="" type="checkbox"/> 0 - 50 |
| 1/6 Metabolic Disease | <input checked="" type="checkbox"/> 1 Recombinant | <input type="checkbox"/> 1/2 BIOMARKER | <input type="checkbox"/> 1/10 Discovery | <input type="checkbox"/> |
| 1/8 Cancer | <input type="checkbox"/> 1/8 SM_Agonist | <input checked="" type="checkbox"/> 5/1 EFFICACY | <input checked="" type="checkbox"/> 4/1 Exploratory | <input type="checkbox"/> |
| 3/3 Sexual Health | <input checked="" type="checkbox"/> 1/2 SM_Antagonist | <input checked="" type="checkbox"/> 1/1 MARKET | <input type="checkbox"/> 1/10 HTS | <input type="checkbox"/> |
| 2/2 Infectives | <input checked="" type="checkbox"/> 2/1 SM_Inhibitor | <input checked="" type="checkbox"/> 1/1 REORG | <input type="checkbox"/> 1/1 Phase I | <input type="checkbox"/> |
| 1/1 Urogenitals | <input checked="" type="checkbox"/> | <input type="checkbox"/> 1/10 TOXIC | <input type="checkbox"/> 1/1 Phase III | <input type="checkbox"/> |
| | | | <input type="checkbox"/> 4/1 Screening | |

Internal Compound Repurposing Example

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51 items filtered from 710 originally (Reset All Filters)

| Area | Original+Indication | Target_Name | Approach | Start | Term+Reason | Max_Stage_Reached | Owner | OMIM | Lit_All Lit_2007 |
|-------------------|----------------------|--|---------------|---------|-------------|-------------------|--------------|------|------------------|
| Metabolic Disease | Diabetes | Liver glycogen phosphorylase | SM_Inhibitor | 2007-Q2 | EFFICACY | Candidate | P. Person | | |
| Sexual Health | Erectile Dysfunction | Integrin alpha-3 (Galactoprotein B3)(VLA-3) (CD49C) | SM_Antagonist | 2006-Q3 | EFFICACY | Candidate | P. Person | | |
| Sexual Health | Erectile Dysfunction | Leukotriene C4 synthase | SM_Agonist | 2006-Q3 | EFFICACY | Candidate | M. Manager | | |
| Sexual Health | Erectile Dysfunction | transcription elongation factor A (SII)-like 4 | SM_Inhibitor | 2005-Q2 | EFFICACY | Candidate | P. Person | | |
| Infectives | HIV | Putative four repeat on channel (I) | SM_Inhibitor | 2006-Q2 | EFFICACY | Candidate | L. Leader | | |
| Infectives | HIV | Voltage-gated potassium channel protein KV1.2 (I) | SM_Agonist | 2007-Q1 | EFFICACY | Candidate | A. Scientist | | |
| Urogenitals | Incontinence | Human RNA binding motif (RBM) gene, partial cds. | SM_Agonist | 2007-Q3 | EFFICACY | Candidate | L. Leader | | |
| Pain | Migraine | Monocarboxylate transporter homologue 2 (SLC6A4) (I) | SM_Inhibitor | 2007-Q3 | EFFICACY | Candidate | L. Leader | 18 | |

Control Panel & Item Filtering

| Area | 5/7 Approach | 3/7 Term+Reason | 1/7 Max_Stage_Reached | 1/7 Literature Links |
|-----------------------|---|--|---|--|
| 2/9 Pain | <input checked="" type="checkbox"/> 7 Antibody | <input type="checkbox"/> 3/7 ACTIVE | <input type="checkbox"/> 5/1 Candidate | <input checked="" type="checkbox"/> 0 - 50 |
| 1/6 Metabolic Disease | <input checked="" type="checkbox"/> 1 Recombinant | <input type="checkbox"/> 1/2 BIOMARKER | <input type="checkbox"/> 1/10 Discovery | <input type="checkbox"/> |
| 1/8 Cancer | <input type="checkbox"/> 1/8 SM_Agonist | <input checked="" type="checkbox"/> 5/1 EFFICACY | <input checked="" type="checkbox"/> 4/1 Exploratory | <input type="checkbox"/> |
| 3/3 Sexual Health | <input checked="" type="checkbox"/> 1/2 SM_Antagonist | <input checked="" type="checkbox"/> 1/1 MARKET | <input type="checkbox"/> 1/10 HTS | <input type="checkbox"/> |
| 2/2 Infectives | <input checked="" type="checkbox"/> 2/1 SM_Inhibitor | <input checked="" type="checkbox"/> 1/1 REORG | <input type="checkbox"/> 1/1 Phase I | <input type="checkbox"/> |
| 1/1 Urogenitals | <input checked="" type="checkbox"/> | <input type="checkbox"/> 1/10 TOXIC | <input type="checkbox"/> 1/1 Phase III | <input type="checkbox"/> |
| | | | <input type="checkbox"/> 4/1 Screening | |

51 items filtered from 710 originally (Reset All Filters)

| Area | Original+Indication | Target_Name | Approach | Start | Term+Reason | Max_Stage_Reached | Owner | OMIM | Lit_All Lit_2007 | Lit_Mech | IMA | GED | Pathway | Compounds |
|-------------------|----------------------|--|---------------|---------|-------------|-------------------|--------------|------|------------------|----------|-----|-----|---------|-----------|
| Metabolic Disease | Diabetes | Liver glycogen phosphorylase | SM_Inhibitor | 2007-Q2 | EFFICACY | Candidate | P. Person | | | | | | | SW-030072 |
| Sexual Health | Erectile Dysfunction | Integrin alpha-3 (Galactoprotein B3)(VLA-3) (CD49C) | SM_Antagonist | 2006-Q3 | EFFICACY | Candidate | P. Person | | | | | 1 | | SW-029782 |
| Sexual Health | Erectile Dysfunction | Leukotriene C4 synthase | SM_Agonist | 2006-Q3 | EFFICACY | Candidate | M. Manager | | | 1 | 1 | | | SW-029638 |
| Sexual Health | Erectile Dysfunction | transcription elongation factor A (SII)-like 4 | SM_Inhibitor | 2005-Q2 | EFFICACY | Candidate | P. Person | | | | | | | SW-029626 |
| Infectives | HIV | Putative four repeat on channel (I) | SM_Inhibitor | 2006-Q2 | EFFICACY | Candidate | L. Leader | | | | | | | SW-029994 |
| Infectives | HIV | Voltage-gated potassium channel protein KV1.2 (I) | SM_Agonist | 2007-Q1 | EFFICACY | Candidate | A. Scientist | | | | | 1 | | SW-029653 |
| Urogenitals | Incontinence | Human RNA binding motif (RBM) gene, partial cds. | SM_Agonist | 2007-Q3 | EFFICACY | Candidate | L. Leader | | | | | 1 | | SW-029684 |
| Pain | Migraine | Monocarboxylate transporter homologue 2 (SLC6A4) (I) | SM_Inhibitor | 2007-Q3 | EFFICACY | Candidate | L. Leader | 18 | | | | | | SW-030085 |

Courtesy of Nigel Wilkinson, Lee Harland, Pfizer Ltd, Melliya Annamalai, Oracle ([SWEQ Case Study](#))

Semantic Web Technologies in Automotive Repair and Diagnostic

- Store repair and diagnostic operations in a repository with an OWL model
- A “diagnostic engine” generates the manuals on the fly, using RDF for information exchange
- A user progressively discovers the information instructed by the application to perform tests and enter their results.

Effectuez le test suivant :

Connecteur du calculateur de clim régulée - Contrôle visuel (1 mn)

Opérations préliminaires

- ▶ Autoradio "Haut de gamme" - Dépose (4 mn)
- ▶ Radio Navigation - Dépose (3 mn)
- ▶ Console centrale - Dépose (7 mn)
- ▶ Garniture de bas de planche de bord - Déclipper (1 mn)
- ▶ Garniture centrale - Dépose (3 mn)
- ▶ Tableau de commande de climatisation régulée - Dépose (7 mn)
- ▶ Connecteur du calculateur de clim régulée - Accès (0 mn)

Vérifier le branchement et l'état du connecteur

- [Connecteur du calculateur de clim régulée - Rebrancher](#)
- [Connecteur du calculateur de clim régulée - Remplacement](#)
- [Autre...](#)

Causes/Réparations possibles

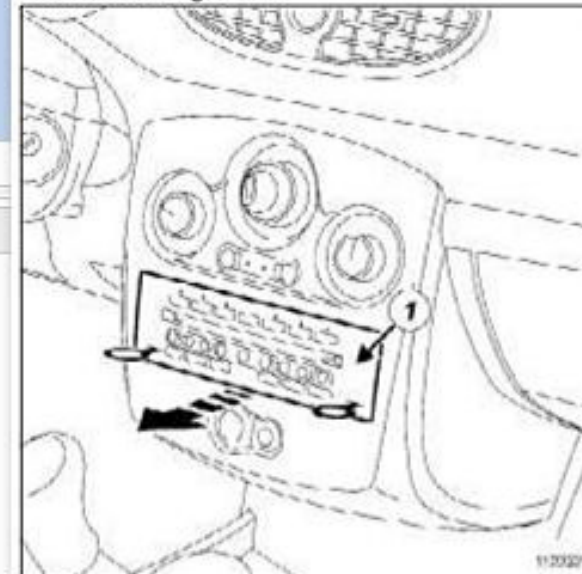
- 13 %
Cablage moteur de recyclage - calculateur de clim régulée - Remise en état
- 13 %
Cablage moteur de recyclage - calculateur de clim régulée - Remplacement
- 13 %
Calculateur de clim régulée - Remplacement
- 12 %
Connecteur du calculateur de clim régulée - Rebrancher
- 13 %
Connecteur du calculateur de clim régulée - Remplacement
- 13 %

▼ Autoradio "Haut de gamme" - Dépose (4 mn)

Outillage spécialisé indispensable

| | |
|----------|--|
| Ms. 1544 | Outil de dépose autoradio - Caminat Becker et Cabasse. |
|----------|--|

Autoradio chargeur CD



- Déposer l'autoradio (1) à l'aide de l'outil (Ms. 1544).
- Débrancher les connecteurs.

How Ontologies and Rules Help to Advance Automobile Development

- Goal: simulation of car electronic systems' physical conditions
- Usage of a mixture of rules and domain ontologies
 - ie, integration of very different sources of knowledge from different IT systems
- Inference engine also shows the explanation for specific query results

Courtesy of Thomas Syldatke, Audi, Willy Chen, Achievo, Jürgen Angele, Andreas Nierlich, and Mike Ullrich, ontoprise GmbH, ([SWEO Use Case](#))

> Audi, Achievo, and ontoprise



| Index | Zeit | | | | | | | | | | | |
|-------|-------------|-----|---|---|----|----|-------|----------|---|---|---|---|
| 1015 | 10.14174141 | 763 | 2 | 2 | 90 | 90 | 138.6 | 77.65625 | 1 | 1 | 0 | 0 |
| 1016 | 10.15161829 | 764 | 2 | 2 | 90 | 90 | 138.6 | 73.90625 | 1 | 1 | 0 | 0 |
| 1017 | 10.16152515 | 764 | 2 | 2 | 90 | 90 | 138.6 | 73.90625 | 1 | 1 | 0 | 0 |
| 1018 | 10.17168193 | 764 | 2 | 2 | 90 | 90 | 138.6 | 73.90625 | 1 | 1 | 0 | 0 |
| 1019 | 10.18152881 | 765 | 4 | 2 | 90 | 90 | 138.6 | 51.4375 | 1 | 1 | 0 | 0 |
| 1020 | 10.1916456 | 765 | 4 | 2 | 90 | 90 | 138.6 | 51.4375 | 1 | 1 | 0 | 0 |
| 1021 | 10.20216227 | 767 | 5 | 2 | 90 | 90 | 138.6 | 46 | 1 | 1 | 0 | 0 |
| 1022 | 10.21150931 | 767 | 5 | 2 | 90 | 90 | 138.6 | 46 | 1 | 1 | 0 | 0 |
| 1023 | 10.2216161 | 767 | 5 | 2 | 90 | 90 | 138.6 | 46 | 1 | 1 | 0 | 0 |
| 1024 | 10.2317229 | 769 | 5 | 2 | 90 | 90 | 138.7 | 39.59375 | 1 | 1 | 0 | 0 |
| 1025 | 10.24172973 | 769 | 5 | 2 | 90 | 90 | 138.7 | 39.59375 | 1 | 1 | 0 | 0 |
| 1026 | 10.25309612 | 768 | 5 | 2 | 90 | 90 | 138.7 | 31.5625 | 1 | 1 | 0 | 0 |
| 1027 | 10.26171339 | 768 | 5 | 2 | 90 | 90 | 138.7 | 31.5625 | 1 | 1 | 0 | 0 |
| 1028 | 10.27157026 | 768 | 5 | 2 | 90 | 90 | 138.7 | 31.5625 | 1 | 1 | 0 | 0 |
| 1029 | 10.28157709 | 768 | 5 | 2 | 90 | 90 | 138.7 | 25.28125 | 1 | 1 | 0 | 0 |
| 1030 | 10.29166389 | 768 | 5 | 2 | 90 | 90 | 138.7 | 25.28125 | 1 | 1 | 0 | 0 |
| 1031 | 10.30161073 | 768 | 5 | 2 | 90 | 90 | 138.7 | 25.28125 | 1 | 1 | 0 | 0 |
| 1032 | 10.3114876 | 773 | 5 | 2 | 90 | 90 | 138.7 | 23.25 | 1 | 1 | 0 | 0 |
| 1033 | 10.3215644 | 773 | 5 | 2 | 90 | 90 | 138.7 | 23.25 | 1 | 1 | 0 | 0 |
| 1034 | 10.33205107 | 775 | 5 | 2 | 90 | 90 | 138.8 | 30.625 | 1 | 1 | 0 | 0 |
| 1035 | 10.34173799 | 775 | 5 | 2 | 90 | 90 | 138.8 | 30.625 | 1 | 1 | 0 | 0 |
| 1036 | 10.35161486 | 775 | 5 | 2 | 90 | 90 | 138.8 | 30.625 | 1 | 1 | 0 | 0 |
| 1037 | 10.3615617 | 768 | 5 | 2 | 90 | 90 | 138.8 | 30.3125 | 1 | 1 | 0 | 0 |
| 1038 | 10.37155852 | 768 | 5 | 2 | 90 | 90 | 138.8 | 30.3125 | 1 | 1 | 0 | 0 |

Next Error... Explain Error... Configuration... Load Simulation Data... Start Simulation...

Explanation: ERROR: No triggers detected for the state transition at index 1020/1021.

Proof tree:
- Rule Instantiation:i2 ruleid->queryrule variables->[X=S1020]
- f4: isa_0053006900740075006100740069006f006e_(S1020,"http://schema.o...)
- f3: att_0069006e006400650078_(S1020,1020.0,"http://schema.ontoprise.co...)
- Rule Instantiation:i5 ruleid->...
- f8: isa_0053006900740075006100740069006f006e_(S1021,"http://schen...

Courtesy of Thomas Sylдатke, Audi, Willy Chen, Achievo, Jürgen Angele, Andreas Nierlich, and Mike Ullrich, ontoprise GmbH, [\(SWEO Use Case\)](#)



Helping New Judges Answer Complex Legal Questions

- An intelligent FAQ system with over 1000 frequently asked questions
- The questions and answers expert knowledge of over 400 judges from all over Spain, enhanced with ontologies
- The system includes
 - FAQ search system (with natural language interface)
 - jurisprudence data

> Spanish General Council of the Judiciary



IF@Q
Página Inicial sobre Derecho Penal

PREGUNTAR VER PREGUNTAS BUSCAR SENTENCIAS AYUDA

BUSCAR SENTENCIAS

Número de Sentencia: /

Número de Recurso: /

Fecha: Día: Mes: Año:

Añadir a la Búsqueda

Conceptos:

Añadir Concepto a la Búsqueda

admitir a trámite adoptar sancionar

FILTROS

Órganos Judiciales:

Jurisdicciones:

Ponentes:

Voces:

Buscar Búsqueda

RESULTADOS DE BÚSQUEDA

Órgano Judicial: Tribunal Superior de Justicia de las Illes Balears, Sala de lo Contencioso-administrativo
Jurisdicción: CONTENCIOSO-ADMINISTRATIVA
Número de sentencia: 35/2005
Número de recurso: 449/2003
Fecha de la sentencia: 25 Ene 2005
Ponentes: Delfont Maza, Pablo.
Voces: EXTRANJEROS.

Texto:
En la ciudad de Palma de Mallorca a veinticinco de enero de dos mil cinco
T.S.J. BALEARES SALA COM/AD
PALMA DE MALLORCA
SENTENCIA: 00033/2005
SENTENCIA:
Nº 33
ILMOS SRS.
D. Gabriel Fiol Gomila.
MAGISTRADOS
D. Pablo Delfont Maza.
D. Fernando Soanas Puster.

Vistos por la Sala de lo Contencioso-Administrativo del Tribunal Superior de Justicia de las Illes Balears los autos número 449 de 2003, seguidos entre partes, como demandante, Dña. Clara, representada por la Procuradora Dña. Margarita Borrás Sansaloni, y asistida de la Letrada Dña. Maria Canudas Pujol, y como Administración demandada, la General del Estado, representado y asistido por su Abogado.

El objeto del recurso es la resolución de la Delegación del Gobierno, de 20 de marzo de 2003, por la que se imponía sanción de expulsión con prohibición de entrada en España durante 5 años por la comisión de infracción grave prevista en el artículo 53.a. de la Ley Orgánica 4/00 -expediente número 178/03-.

La cuantía del recurso se ha fijado como indeterminada.

Se ha seguido la tramitación correspondiente al procedimiento ordinario.

Ha sido Magistrado Ponente el Ilmo. Sr. D. Pablo Delfont Maza, quien expresa el parecer de la Sala.

ANTECEDENTES DE HECHO
PRIMERO. El recurso fue interpuesto el 1 de abril de 2003, admitiéndose a trámite por providencia del día 9 de junio siguiente, reclamándose el expediente administrativo.
SEGUNDO. La demanda se formalizó el 21 de octubre de 2003, solicitando la estimación del recurso. No interesaba el recibimiento del juicio a prueba.
TERCERO. El Abogado del Estado contestó a la demanda el 29 de julio de 2004, solicitando la desestimación del recurso y la imposición de las costas. No interesaba el recibimiento del juicio a prueba.
CUARTO. Por providencia de 11 de enero de 2005, se señaló el día 25 siguiente para la votación y fallo del recurso.

IF@Q
Página Inicial sobre Derecho Penal

PREGUNTAR VER PREGUNTAS BUSCAR SENTENCIAS AYUDA

Pregunta formulada

El mismo día de presentar una orden de protección, me piden que la retire ¿qué hago?

Pregunta reestructurada

"Ha venido por la mañana una señora que quería una orden de protección. Levamos todo el día con el tema. Se la acabo de acordar y le estoy notificando la orden de protección y yo me dice que quiere retirar la denuncia y no quiere la orden de protección. ¿Qué hago?"

Respuesta

"Es frecuente que esto pase, y puede deberse a varias causas: la primera es que tenga miedo hacia el agresor y piense que la actuación del juez no le va a servir para nada, lo segundo es que haya recibido presiones externas, bien de los hijos o de su propia familia, (madre, hermanos, cuñados), o bien presiones del trabajador. También es posible que la denuncia formulada no sea cierta, sino cuando esta conducta es muy poco venial, ya que cuando una mujer llega a la decisión de denunciar, es que debe estar ya muy al límite de su resistencia personal y para ella el pasar que ha dado es muy trascendente. Incluso cuando hay un asesor o abogado detrás que le pueda haber aconsejado, la decisión es suya y todas las mujeres saben que en estos temas no se puede mentar, tanto por respeto al juzgado como por miedo al denunciado. Si ocurriera es necesario que se vuelva a realizar otra comparecencia que mucha tranquilidad, en presencia del fiscal y del secretario, previo entrevista de un psicólogo o asistente social, para que quede perfectamente garantizada la veracidad de la información de la denunciante. Se le deben ofrecer las garantías de las que se pueden disponer solamente para apartarle de la situación de riesgo en la que posiblemente está: trata de acogida, protección policial, soporte psicológico y económico. Si no obstante insisten en retirar la denuncia, especificar muy claramente las adversidades de las consecuencias que para su seguridad pueda tener. En ningún caso se le deben realizar presiones intimidatorias ni para que mantenga la denuncia, ni respecto a las consecuencias de las denuncias falsas, para que se mantenga con confianza en la justicia y en que en otra ocasión puede ser ayudada y protegida por el sistema legal. Si persisten las sospechas, disponer vigilancia policial discreta en los días inmediatos siguientes."

Ver otras preguntas relacionadas.

¿Satisfecho?

Muy Satisfecho
 Bastante Satisfecho
 Satisfecho
 Poco Satisfecho
 Nada Satisfecho

Final

Buscar Sentencias con los Conceptos:

Conceptos seleccionados:

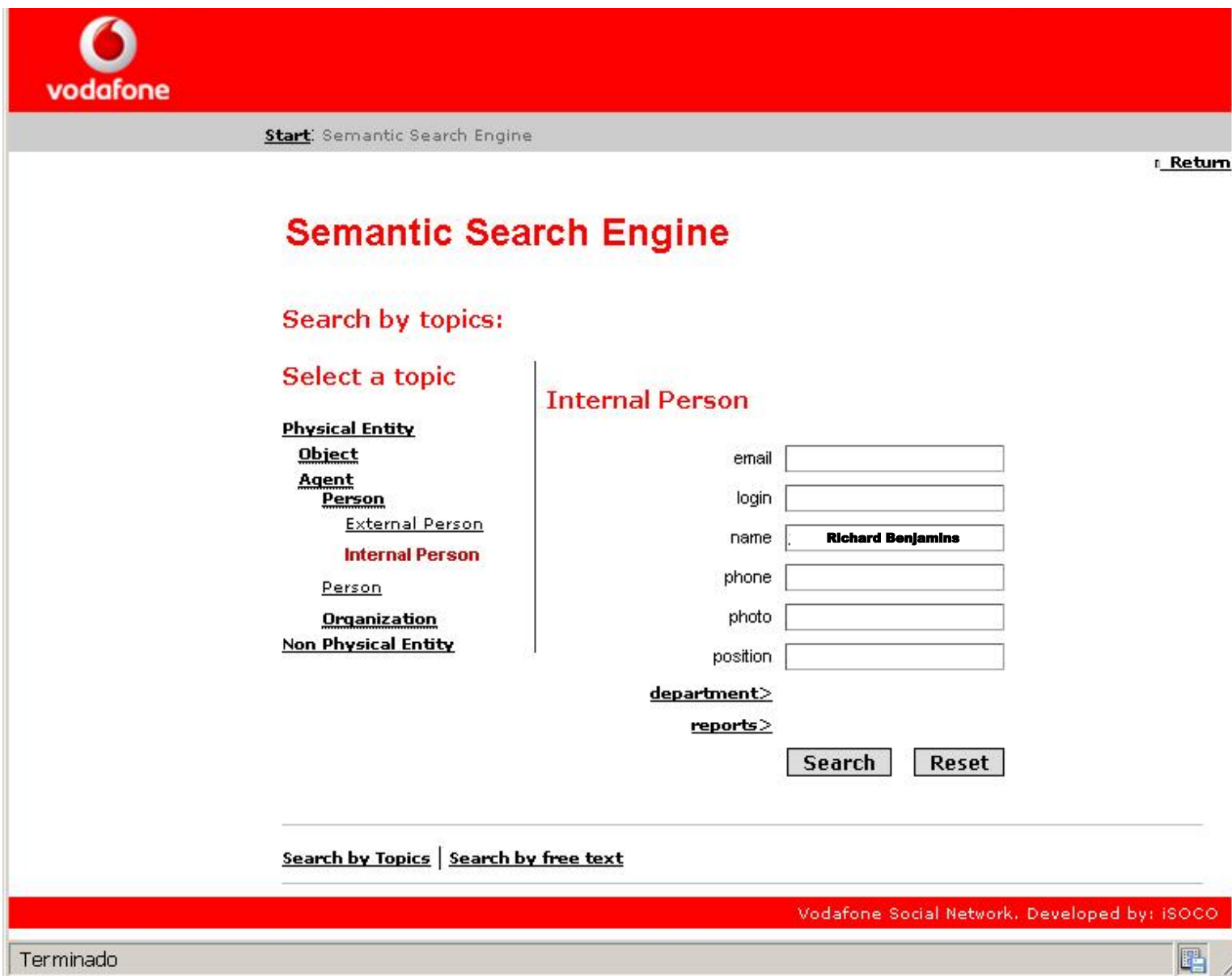
abogado acordar admitir a trámite adoptar comparecer demandado demandar denuncia denunciado edicto ejecutar

fiscal fuerza pública inibirse

Courtesy of Pompeu Casanovas, Spanish General Council of the Judiciary, and Richard Benjamins, iSOCO (SWEQ Use Case)

WEASEL, Vodafone R&D Corporate Semantic Web

- Activities of the Vodafone R&D is recorded by its employees in their corporate web site
 - different file formats, different file organization...
- How to find internal technological know-how?
- WEASEL:
 - automatically annotates data based on a suitable ontology
 - offers a search interface (including natural language search)

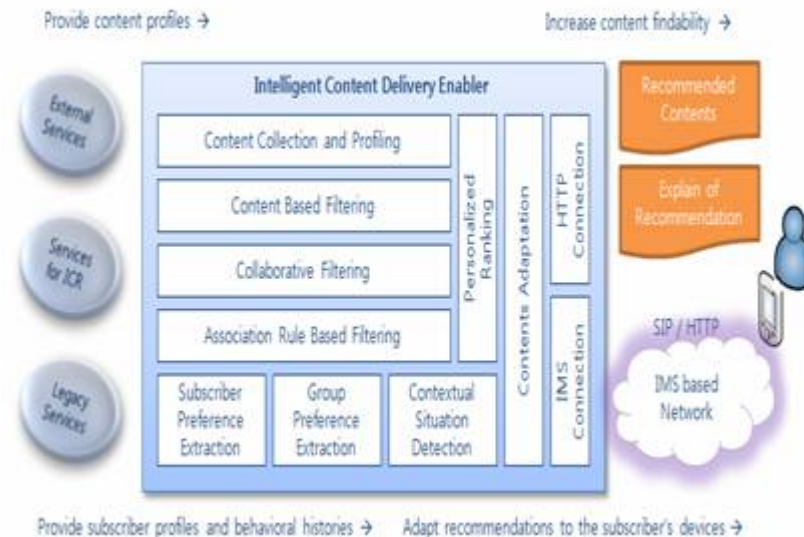


The screenshot shows a web browser window displaying the Vodafone Semantic Search Engine. The interface has a red header with the Vodafone logo and the text "vodafone". Below the header, there is a navigation bar with "Start: Semantic Search Engine" and a "Return" link. The main content area is titled "Semantic Search Engine" and features a "Search by topics:" section. On the left, there is a tree view of topics: "Physical Entity" (with sub-items "Object", "Agent", "Person", "External Person", "Internal Person", "Person", "Organization", and "Non Physical Entity"), "Internal Person", "department", and "reports". On the right, there is a form for searching by "Internal Person" with fields for "email", "login", "name" (containing "Richard Benjamins"), "phone", "photo", and "position". There are also "department" and "reports" dropdown menus. At the bottom of the form are "Search" and "Reset" buttons. Below the form, there are links for "Search by Topics" and "Search by free text". The footer of the browser window shows "Terminado" and "Vodafone Social Network. Developed by: iSOCO".

Courtesy of Juan José Valverde Fúster, Vodafone R&D, and Richard Benjamins, iSOCO, ([SWEO Use Case](#))

Mobile Content Recommendation System

- Analyze the user behaviour of IP network users of Korea Telecom Freetel
 - build user characterization based on usage history
- Recommendations for content are provided based on user preference, time, place, weather, etc



Courtesy of Tony Lee, Jin Woo Kim, and Bok Ju Lee, Saltlux, Kyu Hyup Kim, KTF ([SWEO Case Study](#))

KTF Nice 1/14(월) PM 04:58

- ITGS**
 - 종목공 (서울 정보구)
 - 연복공 (서울 정보구)
 - 민리공신
 - 민리공성
- CSRS**
 - LESPO
 - LESPO
- VOD**
 - 마리아집마을
 - 윈더걸스/윈더걸스
 - 윈더걸스/윈더걸스
 - 마리아집마을
- 주식**
 - 기존테두+저가배수순조세
 - 종시 이벤트 출격 있었다
 - 미국 경제, 양학적으로 개나
 - 단기 할 PR테를, 코스피 혼조

SHOOW

KTF Nice 1/14(월) PM 09:06

맛중형쇼핑제안

핑크류케익

- 가격: 15000
- 제조사: 크라운베이커리
- 기호정보: 핑크류(간식용)

2. 스니커즈 | 3. 귀달이 모자 | 4. LESPO

신의아그네스

- 원주: |
- 주소: 경기도 성남시
- 전화번호: 21500원 [할인: Y]

2.신의아그네스 | 3.식객 | 4.식객

SHOOW

KTF Nice 1/14(월) PM 02:49

주식

코스피 코스닥 선물

1,827.14 +0.91 0.05%

1,827.14

1,825.23

1,817.06

1,807.89

1,799.72

Tue 1,804.29 +4.91 Wed 1,810.6

| 종목 | ↑ | ↓ | - | ▲ | ▼ | 1년회고 | 1년회계 |
|-----|----|-----|----|-----|---|----------|----------|
| 코스피 | 14 | 303 | 78 | 476 | 0 | 1,911.67 | 1,794.15 |
| 코스닥 | 12 | 361 | 69 | 596 | 2 | 719.70 | 697.14 |

SHOOW

KTF Nice 1/14(월) PM 05:55

동영상추천

마리아

- 주연배우/가수: 김아를
- 장르: 록
- 출연진: 김아를, 홍길봉

2.마리아 | 3.마리아 | 4.마리아

윈더걸스/데미

- 출연진: 윈더걸스
- 장르: 록

2.윈더걸스/데미 | 3.윈더걸스/데미 | 4.윈더걸스/데미

SHOOW

Courtesy of Tony Lee, Kono Kim, and Eddie Choi, Saltlux, Seong Rae Park, NAK ([SWEO Use Case](#))

OntoFrame 2008—A Semantic Portal Service of Academic Research Information

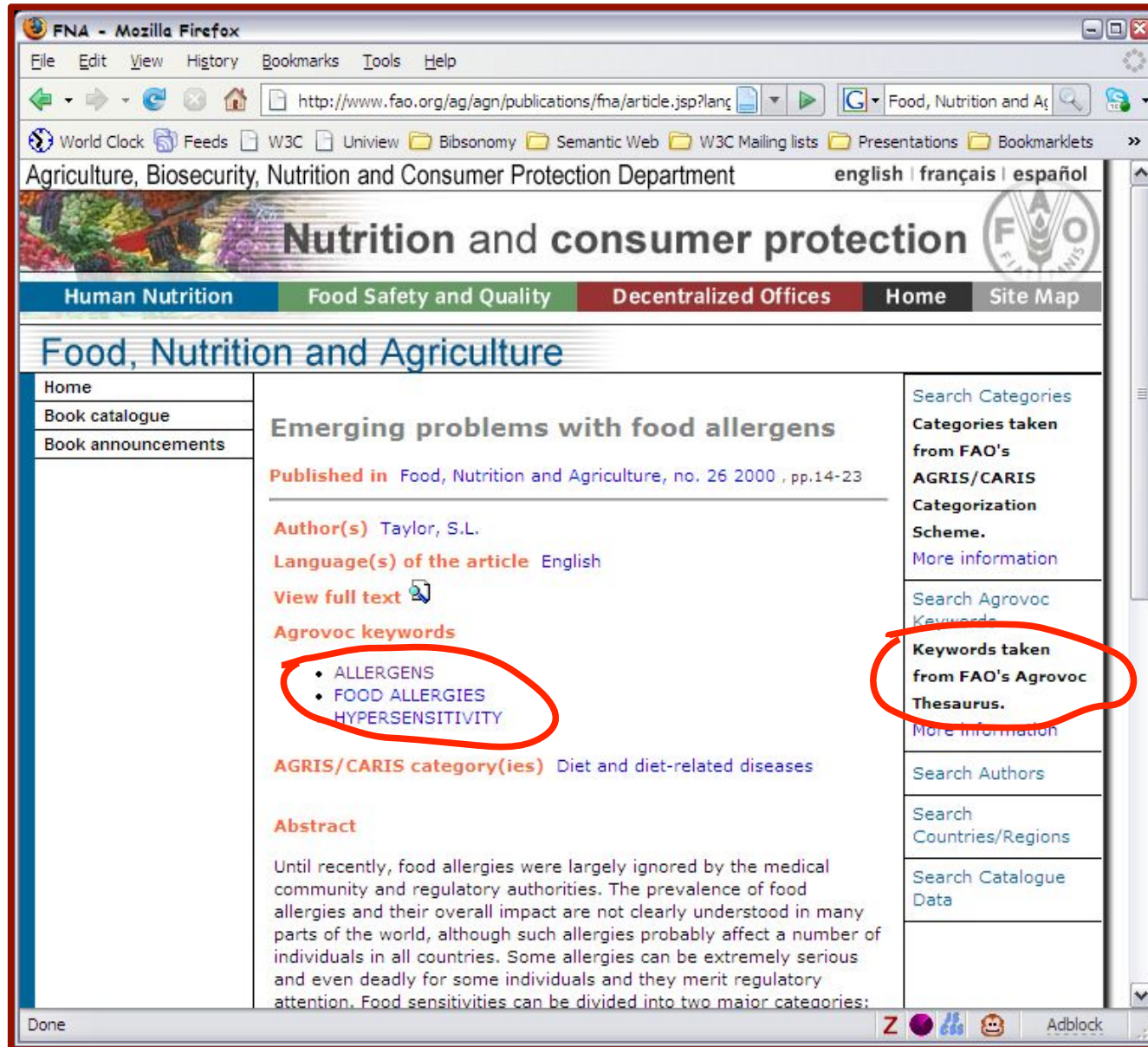
- Search portal for academic information for researchers
 - based on a large OWL ontology developed at KISTI
 - reference to journals, proceedings, topics, location of authors,...
- Portal is based on keyword based search plus extra information stemming from the ontology



Courtesy of Hanming Young, Seungwoo Lee, Mi-Kyoung Lee, Beom-Jong You, Won-Kyung Sung, KISTI (SWEQ Use Case)

A Semantic Navigation of Food, Nutrition and Agriculture Journal

- Development of an AGRIS application ontology for the domain, and AGROVOC, a multilingual agricultural thesaurus
- Using AGROVOC:
 - better information retrieval interface on the thesaurus
 - improved search interface for the “Food, Nutrition and Agriculture (FNA) Journal”



FNA - Mozilla Firefox

http://www.fao.org/ag/agn/publications/fna/article.jsp?lang=...

Food, Nutrition and Agriculture, Biosecurity, Nutrition and Consumer Protection Department

english | français | español

Nutrition and consumer protection

Human Nutrition | Food Safety and Quality | Decentralized Offices | Home | Site Map

Food, Nutrition and Agriculture

Home | Book catalogue | Book announcements

Emerging problems with food allergens

Published in Food, Nutrition and Agriculture, no. 26 2000, pp.14-23

Author(s) Taylor, S.L.

Language(s) of the article English

View full text

Agrovoc keywords

- ALLERGENS
- FOOD ALLERGIES
- HYPERSENSITIVITY

AGRIS/CARIS category(ies) Diet and diet-related diseases

Abstract

Until recently, food allergies were largely ignored by the medical community and regulatory authorities. The prevalence of food allergies and their overall impact are not clearly understood in many parts of the world, although such allergies probably affect a number of individuals in all countries. Some allergies can be extremely serious and even deadly for some individuals and they merit regulatory attention. Food sensitivities can be divided into two major categories:

Search Categories
Categories taken from FAO's AGRIS/CARIS Categorization Scheme.
More information

Search Agrovoc Keywords
Keywords taken from FAO's Agrovoc Thesaurus.
More information

Search Authors

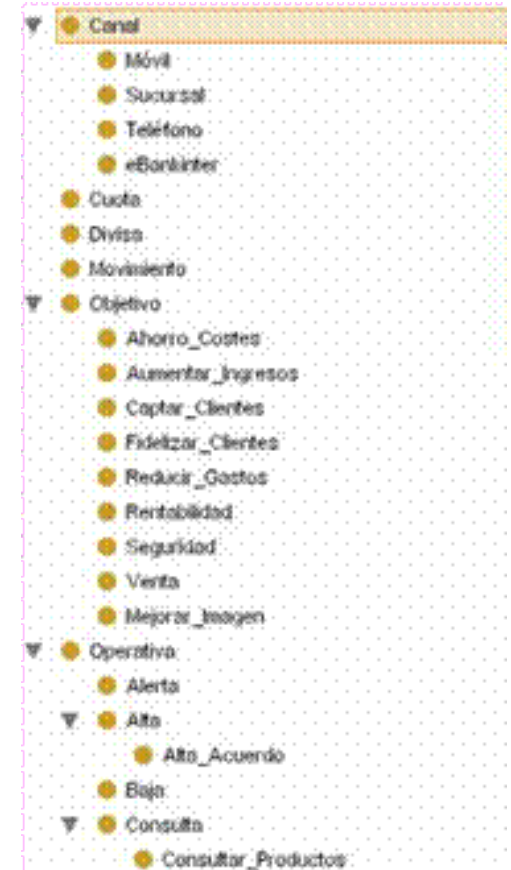
Search Countries/Regions

Search Catalogue Data

Courtesy of Gauri Salokhe, Margherita Sini, and Johannes Keizer, FAO, ([SWEO Case Study](#))

Real Time Suggestion of Related Ideas in the Financial Industry

- Employees of the bank can submit new ideas for innovation, improving the business process, reduce costs, etc
- The entry system analyses the entry, shows similar ideas already in the system based on the concepts (not words)
- User gets immediate feedback, system gets better search, analysis, etc



BANKINTER
www.bankinter.com

BPEDIA

Inicio | Búsqueda | Ayuda

Alta Idea

Descripción de Idea

Avisar a un cliente por SMS cuando hay movimientos ...

Pulse [aquí](#) si su idea no complementa a ninguna de las existentes

Seleccione una idea relacionada

| | | | |
|---------------------------------------|------------------------------------|--|-----------------|
| 1 Mensajes a móviles | Fecha: 2005-04-02 00:00:00.0 | | Más información |
| 2 Solicitud de consultas por SMS | Fecha: 2005-09-03 00:00:00.0 | | Más información |
| 3 Tarjeta de coordenadas en el móvil. | Fecha: 2004-07-04 00:00:00.0 | | Más información |
| 4 Mensajes de audio | Fecha: 2004-02-17 00:00:00.0 | | Más información |

POPS – Expertise Location Service

- Data about employees' expertise, work history, etc, is spread over various types of data stores all over the US
- Currently, finding the right person is based on a “social search”, ie, personal network, contacts, etc
- POPS:
 - integrates the data over 70,000 employee and contractors using RDF
 - provides a nice user interface to search the data
 - possibly combines that with external data

Faceted view of the data:

The screenshot shows the jSpace v.41 application interface. The title bar indicates the user is logged in as 'Michael Grove'. The main area is divided into four facet panels, each with a search bar and navigation controls:

- NASA Center (15):** Lists various NASA centers, with 'GSFC' selected.
- Project (176):** Lists various projects, with 'Crew Exploration Vehicle' selected.
- Competency (94):** Lists various competencies, with 'Computer Systems and Engineering' selected.
- People (11):** Lists various people, with 'Robert N' selected.

The 'Information Panel' at the bottom displays details for the selected person, Robert N:

Robert N

fax: 301.286. [redacted]
hasEmployer: NASA
phone: 301.286. [redacted]
firstName: Robert
mbox: robert.n.[redacted]@nasa.gov
ldapDN: cn=Robert N [redacted],ou=Goddard Space Flight Center
hasDepartment: GSFC:581.0
roomNumber: [redacted]

Navigation buttons at the bottom of the information panel include: Details, Query, Alternate Paths, and Web View.

Showing the social network:

The screenshot displays the POPS v.28.3 application interface. The top window title is "POPS v.28.3 - Connected to 'POPS on FatDuck' - Using Model 'POPS on FatDuck Model' - Logged in as 'Michael Grove'". The interface is divided into several panes:

- NASA Center (15):** Lists various NASA centers including ARC, DFRC, GRC, GSFC (highlighted), HQ, IVV, JPL, JSC, KSC, LARC, MAF, and MSFC. Source: x500.
- Project (176):** Lists projects such as Mars Global Surveyor, Mars Odyssey 2001, Mars R&A, Mars Reconnaissance Orbiter 2005 (...), Messenger, Minor Revital, Mission Operations, Mission Science Guest Investigator, Mission Success - Center Specific, Multi-Mission Operations, NMP Program Management and Futur..., and NPOFSS Preparatory Project (NPP). Source: WIMS.
- Competency (21):** Lists competencies including Astrobiology, Astronomy and Astrophysics, Climate Change and Variability, Earth Atmosphere, Earth Science Applications Research, Earth System Modeling, Fluid Physics, Fundamental Physics, Geophysical/Geologic Science, Geospatial Science and Technologies (highlighted), Icing Physics, and Laser Technology. Source: CMS.
- People (1):** Lists a single person: Jeanne M. Source: [unclear].

The **Information Panel** at the bottom features a section titled "View Different Social Network's Present in the Data". It displays a social network graph with nodes for Jeanne M., Jeffrey T., and Michael H Grove. A pink line connects Jeanne M. and Jeffrey T., and another pink line connects Jeffrey T. and Michael H Grove. A legend on the right explains the line colors:

- Red: Same Skill and Same Department
- Green: Same Skill and Same Project
- Blue: Same Skill, Project, and Facility
- Pink: Am I Connected?

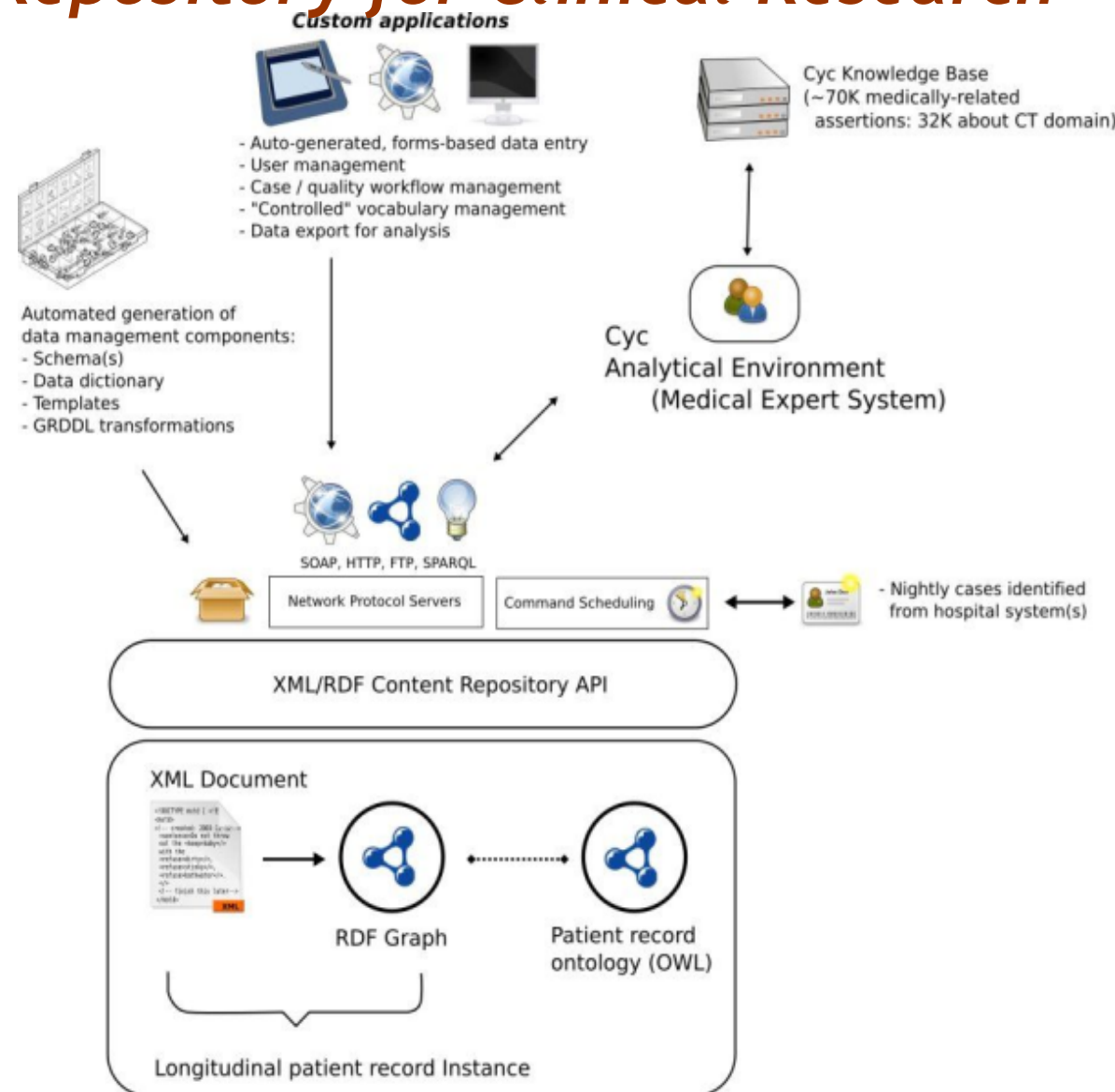
Below the graph, a detailed profile for Michael H Grove is shown:

- Name: Michael Grove
- Email: [redacted]@nasa.gov
- Phone: 301. [redacted]
- Employer: Clark and Parsia

The interface includes navigation buttons (left and right arrows) and a "Social Net" button at the bottom.

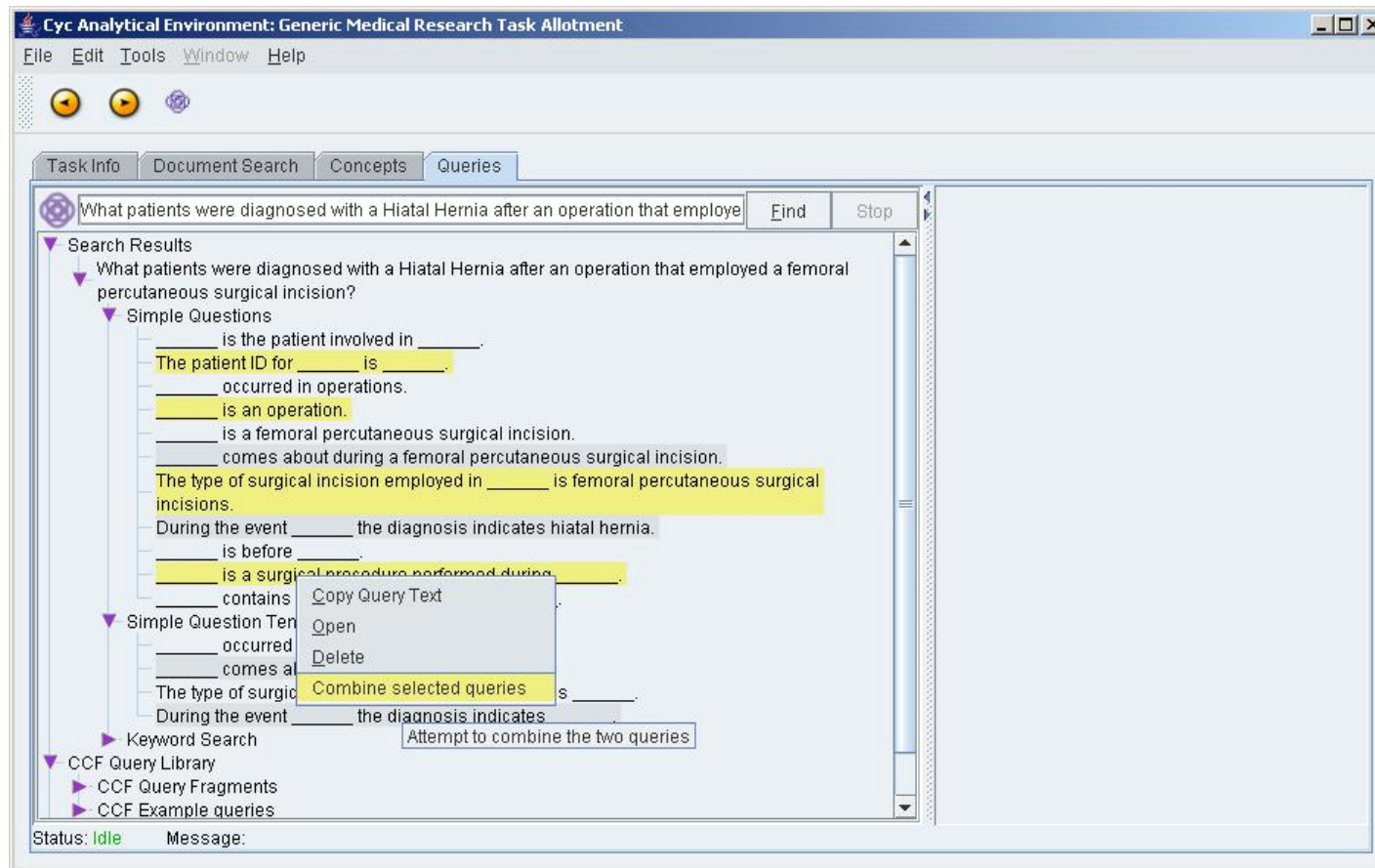
A Semantic Web Content Repository for Clinical Research

- Goal: use patients' data (too) to generate new knowledge
- Unified repository collects and stores various data
- Usage of OWL and rules allow high level operations on the data



Courtesy of Chimezie Ogbuji, ClevelandClinic, ([SWEO Case Study](#))

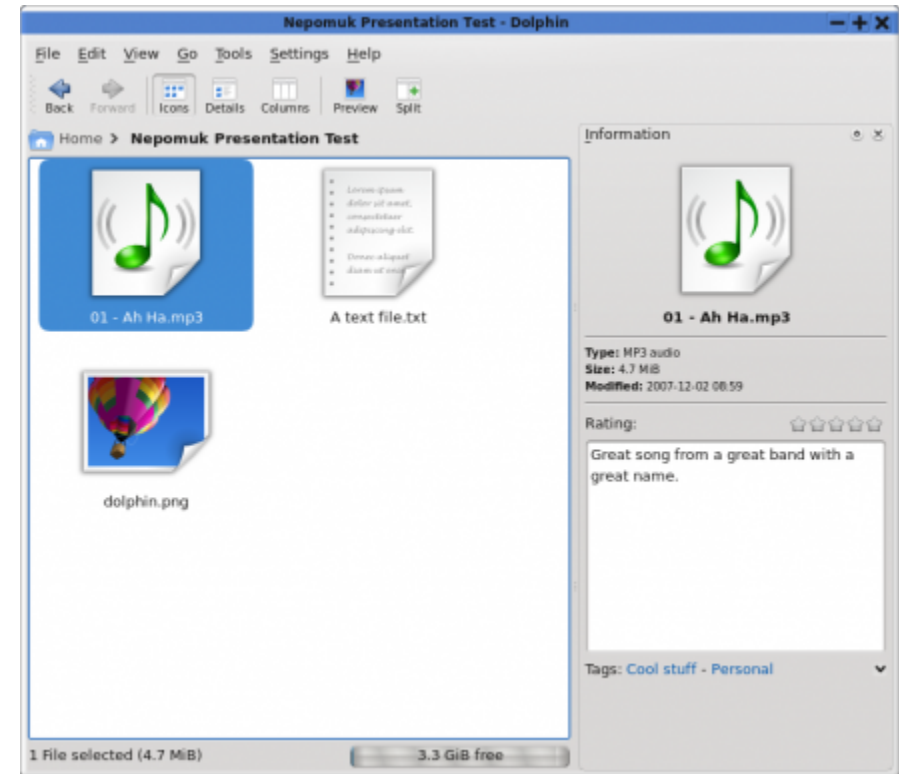
- A specialized query interface provides SPARQL access to the data
- Dataset mostly on cardiovascular diseases



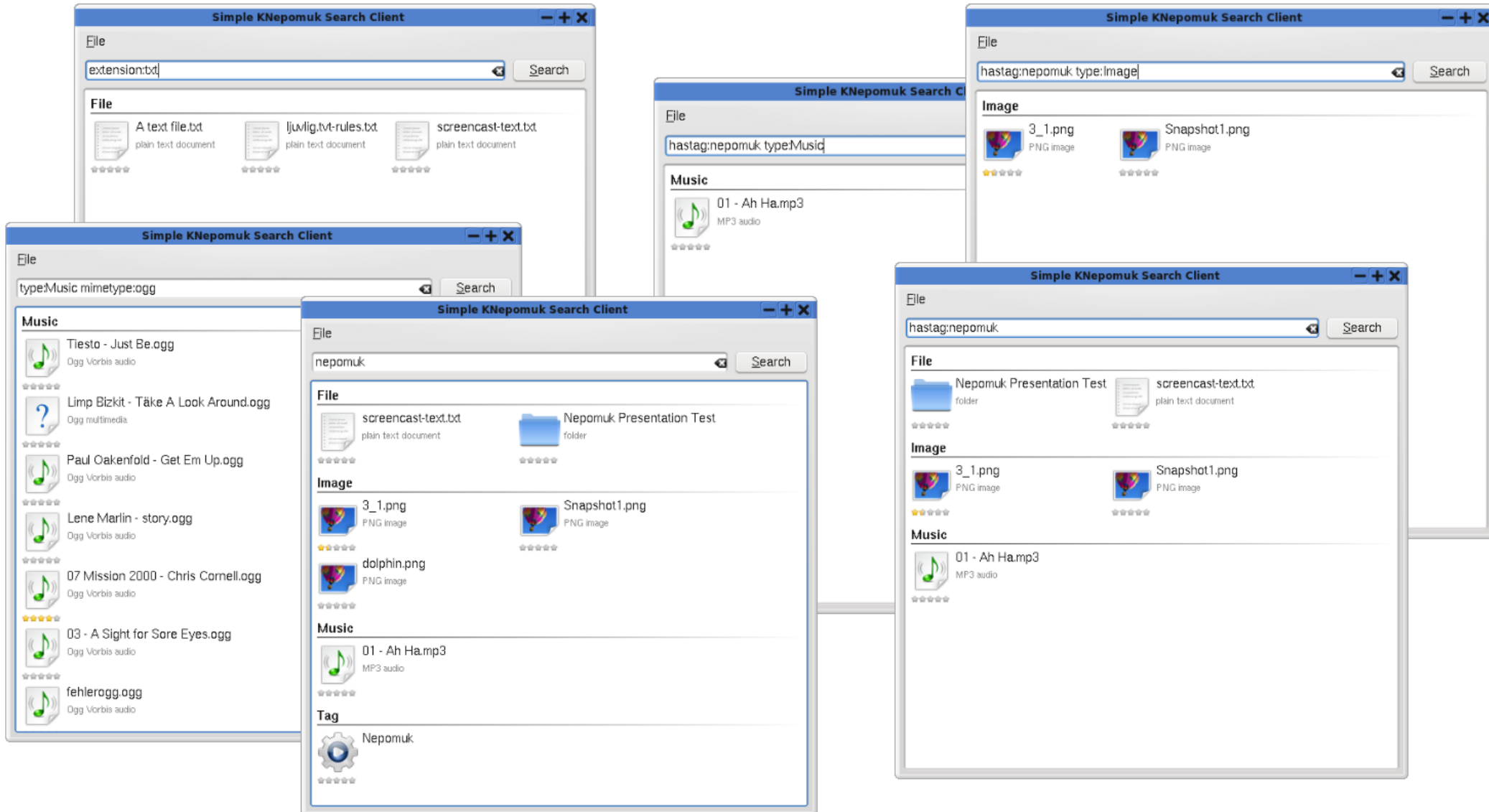
Courtesy of Chimezie Ogbuji, ClevelandClinic, ([SWEQ Case Study](#))

KDE 4.0 Semantic Desktop Search and Tagging

- Metadata backend fully based on RDF, RDFS, and OWL
- Each file can be tagged, rated, commented, annotated, and automatically indexed (independently of the file format)
- Queries are made via the combination of all those
- Applications can add their own vocabulary



> Nepomuk Project



Courtesy of Leo Sauermann, DFKI, and Sebastian Trüg, Mandriva Linux ([SWEO Case Study](#))

A Linked Open Data Resource List Management Tool for Undergraduate Students

- Integration of experience and data in the planning and operation of deep sea drilling processes
- Discover relevant experiences that could affect current or planned drilling operations
 - uses an ontology backed search engine

Semantic matchmaking for eTourism in the city of Zaragoza

- Portal to help tourists in planning their city tour based on their personal profile
 - integration (via RDF and ontologies) of different data sources (points of interest, data on events, photos, maps)
 - visitors' preferences are translated into rules on the RDF data
 - a planning algorithm is run to produce recommendations for the user

zaragoza.es / Tourism



Tourist Services

What to visit

Guided Visit

The Conference City

Zaragoza Diary

Useful Saragossa

Area of Professionals

Of Interest

Photo Gallery

Send a Postcard

Quality

PLANNING YOUR VISIT

This form will help you to find a selection of tourist resources that suit you perfectly. To that end, we need you to provide us with some information about your tastes and your trip. Please fill in the following form. Only the dates of your stay are obligatory, the rest of the questions are optional

Purpose of your stay

- Work
- Tourism
- Conference
- Rest time

Company

- Individual trip
- I travel with my partner
- I travel in group
- With children

Preferences

- I like art
- I like architecture
- I like shopping

More options

- Are there any disabled members of your group?

Days of visit

| June 2008 | | | | | | |
|-----------|----|----|----|----|----|----|
| Su | Mo | Tu | We | Th | Fr | Sa |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |

Accommodation

Hotel:

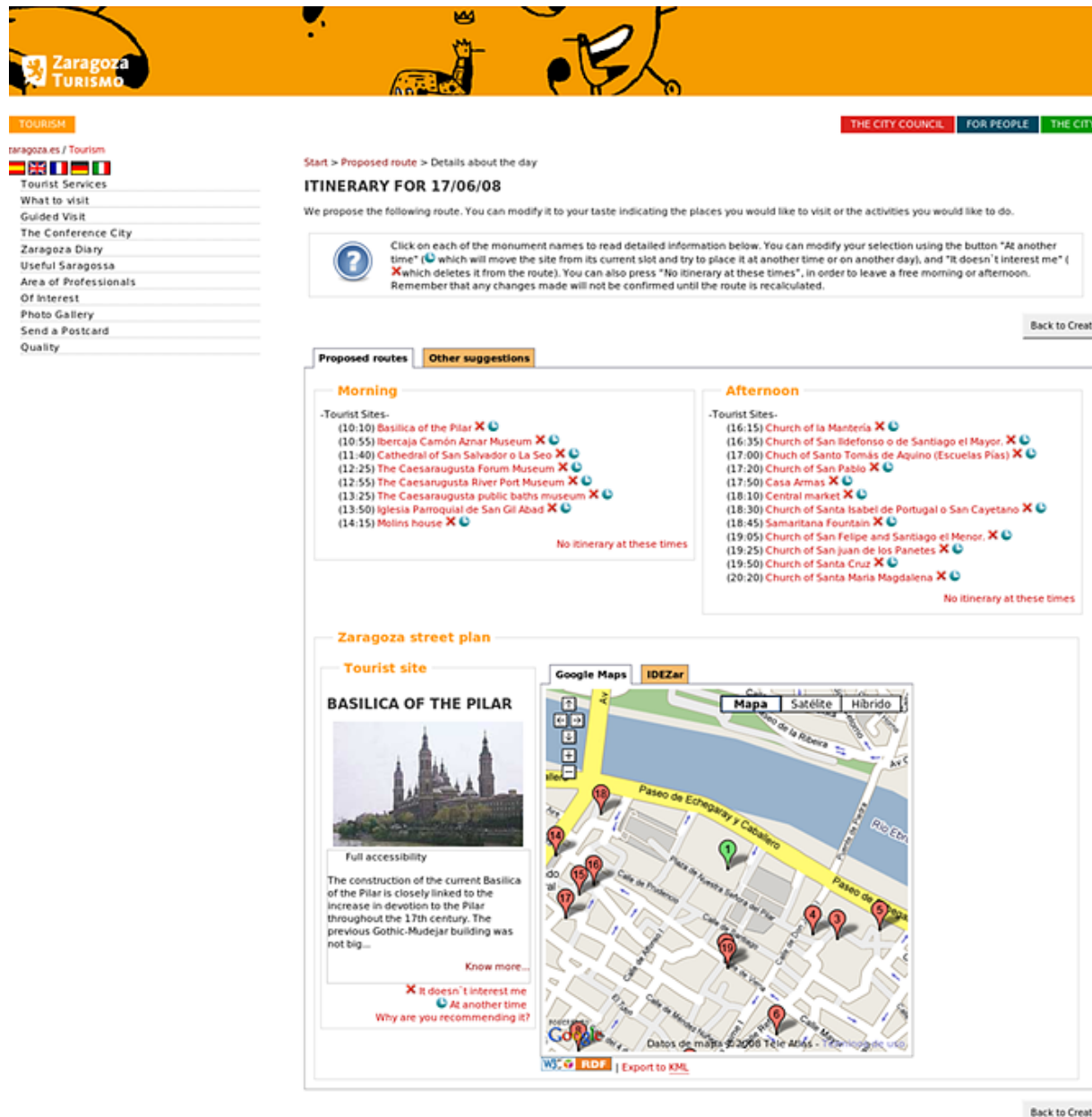
* If hotel is not found, routes will begin from the Plaza de la Seo

>> Do you want more personalization options?

Create route

Clean the form

> Municipality of Zaragoza and CTIC



Zaragoza TURISMO

TOURISM

zaragoza.es / Tourism

- Tourist Services
- What to visit
- Guided Visit
- The Conference City
- Zaragoza Diary
- Useful Saragossa
- Area of Professionals
- Of Interest
- Photo Gallery
- Send a Postcard
- Quality

THE CITY COUNCIL FOR PEOPLE THE CITY

Start > Proposed route > Details about the day

ITINERARY FOR 17/06/08

We propose the following route. You can modify it to your taste indicating the places you would like to visit or the activities you would like to do.

Click on each of the monument names to read detailed information below. You can modify your selection using the button "At another time" (which will move the site from its current slot and try to place it at another time or on another day), and "It doesn't interest me" (which deletes it from the route). You can also press "No itinerary at these times", in order to leave a free morning or afternoon. Remember that any changes made will not be confirmed until the route is recalculated.

Back to Create

Proposed routes Other suggestions

Morning

-Tourist Sites-

- (10:10) Basilica of the Pilar X
- (10:55) Ibercaja Camón Aznar Museum X
- (11:40) Cathedral of San Salvador o La Seo X
- (12:25) The Caesaraugusta Forum Museum X
- (12:55) The Caesaraugusta River Port Museum X
- (13:25) The Caesaraugusta public baths museum X
- (13:50) Iglesia Parroquial de San Gil Abad X
- (14:15) Molins house X

No itinerary at these times

Afternoon

-Tourist Sites-


- (16:15) Church of la Mantería X
- (16:35) Church of San Ildefonso o de Santiago el Mayor X
- (17:00) Church of Santo Tomás de Aquino (Escuelas Pías) X
- (17:20) Church of San Pablo X
- (17:50) Casa Armas X
- (18:10) Central market X
- (18:30) Church of Santa Isabel de Portugal o San Cayetano X
- (18:45) Samaritana Fountain X
- (19:05) Church of San Felipe and Santiago el Menor X
- (19:25) Church of San Juan de los Panetes X
- (19:50) Church of Santa Cruz X
- (20:20) Church of Santa Maria Magdalena X

No itinerary at these times

Zaragoza street plan

Tourist site

BASILICA OF THE PILAR




Full accessibility

The construction of the current Basilica of the Pilar is closely linked to the increase in devotion to the Pilar throughout the 17th century. The previous Gothic-Mudejar building was not big...

Know more...

- X It doesn't interest me
- At another time

Why are you recommending it?



Google Maps IDEZar

Mapa Satélite Híbrido

Export to KML

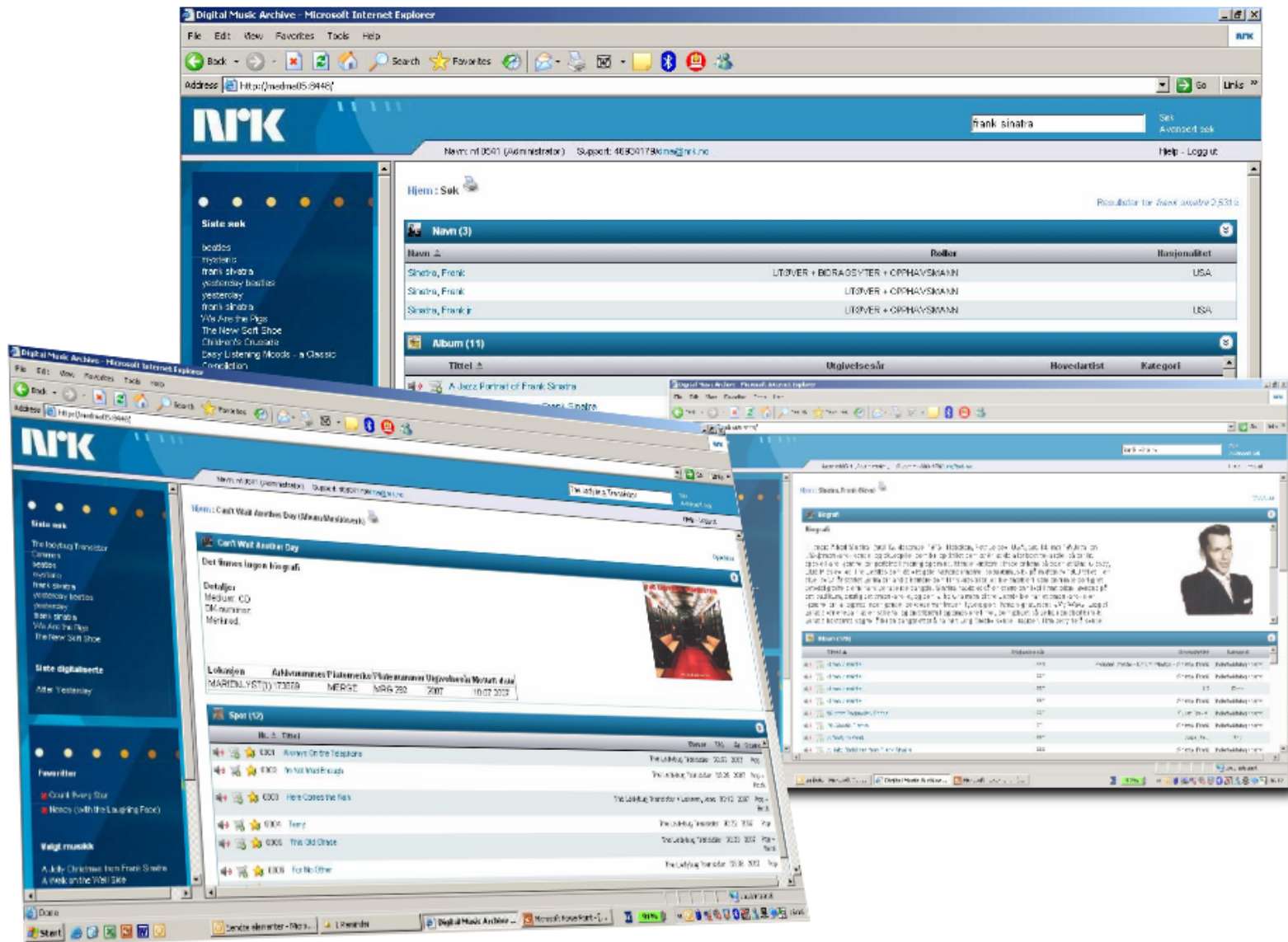
Back to Create

Courtesy of Maria Jesús Fernández, Zaragoza, and Antonio Campos, CTIC (SWEQ Case Study)

Digital Music Archive

- Digitize the huge music material at the Norwegian National Broadcaster (NRK)
- Use the repository asset in new productions, with better search and access
- Semantic Web is used to manage the huge amount of metadata, and provide easy and quick access to the asset
 - reuse the existing, mostly paper based catalog entries

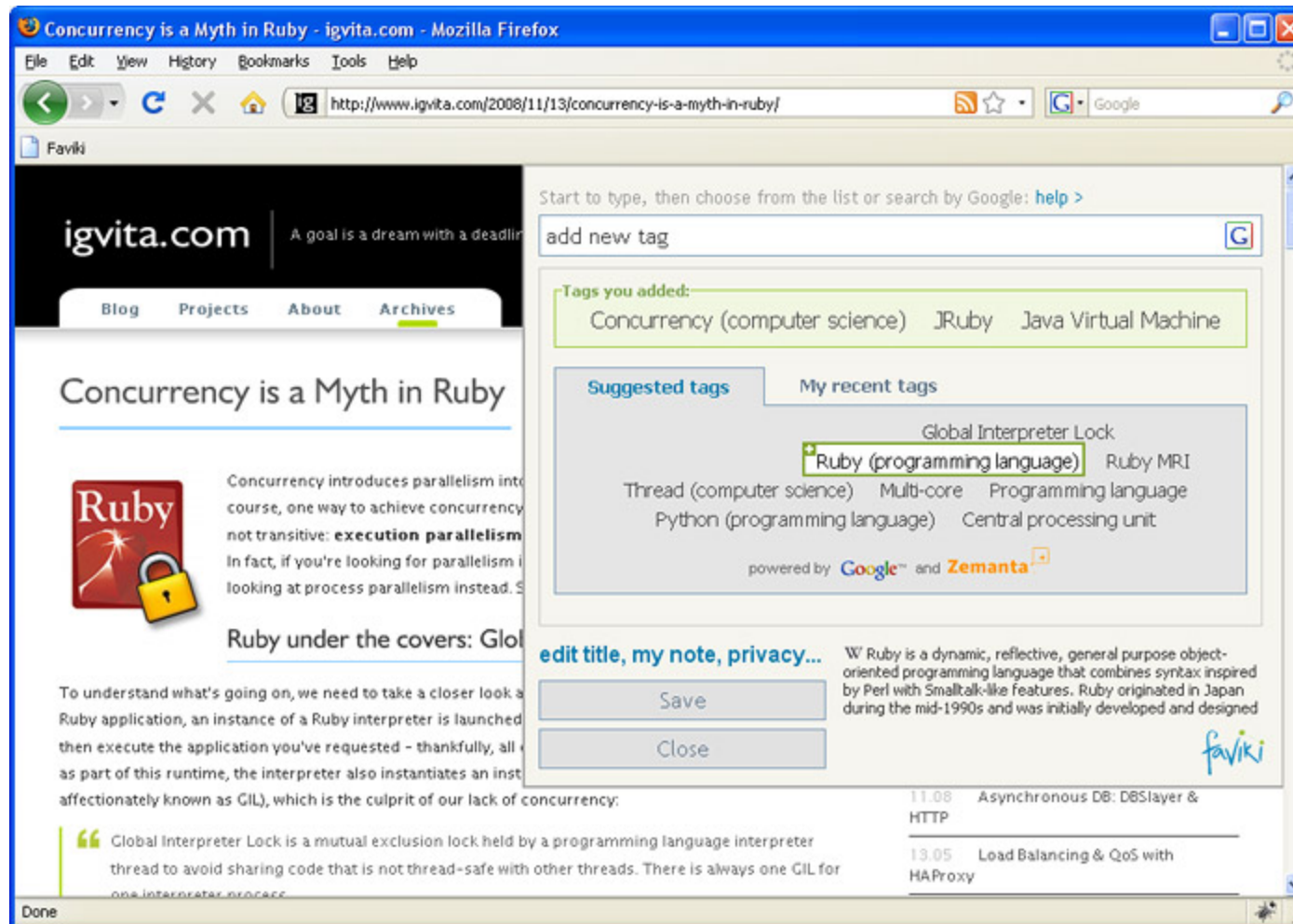
Courtesy of Robert Engels, ESIS, and Jon Roar Tønnesen, NRK ([SWEQ Case Study](#))



Courtesy of Robert Engels, ESIS, and Jon Roar Tønnesen, NRK ([SWEQ Case Study](#))

Semantic Tags

- Social bookmarking system (a bit like del.icio.us) but with a controlled set of tags
 - tags are terms extracted from Wikipedia/DBpedia
 - tags are categorized using the relationships stored in DBpedia
 - tags can be multilingual, DBpedia providing the linguistic bridge
- The tagging process itself is done via a user interface hiding the complexities



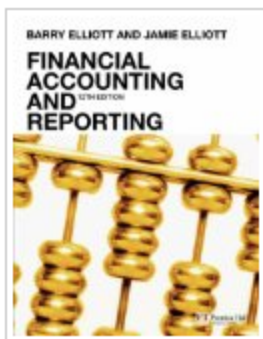
A Linked Open Data Resource List Management Tool for Undergraduate Students

- Managing “resource lists” (“course reserves”): collections of resources (books, articles, a/v content, etc) as a companion for students
- Resources, relations, annotations, etc, are stored as RDF data
 - using public vocabularies to manage them
- Flexible user interface is provided to manage, manipulate, (individually) annotate
- Easy update against changing environments (eg, change in the library’s subscriptions)



Financial accounting and reporting

The 12th edition of Elliott and Elliott is the recommended text to buy for this module.



Get this item

| | |
|------------------|----------------------------------|
| Item type | Book |
| Author(s) | Elliott, Barry., Elliott, Jamie. |
| Publisher | Financial Times/Prentice Hall |
| Edition | 12th ed. |
| ISBN 10 | 0273712314 |
| ISBN 13 | 9780273712312 |
| Date | 2008. |

My Notes

B *I* ☰ ☷ ↺ ↻ 🔗 🌐

Chapters 2 and 3 are useful for the 3rd seminar - more as an example of a poor argument than a good one!

This item appears on..

List: Financial Accounting and Reporting
Section: Recommended Text
Next item: Financial Accounting and Reporting
Pea...

Have you read this?

Have you read this?

- Decided not to Read
 Have Read
 Planning to Read
 Reading Now

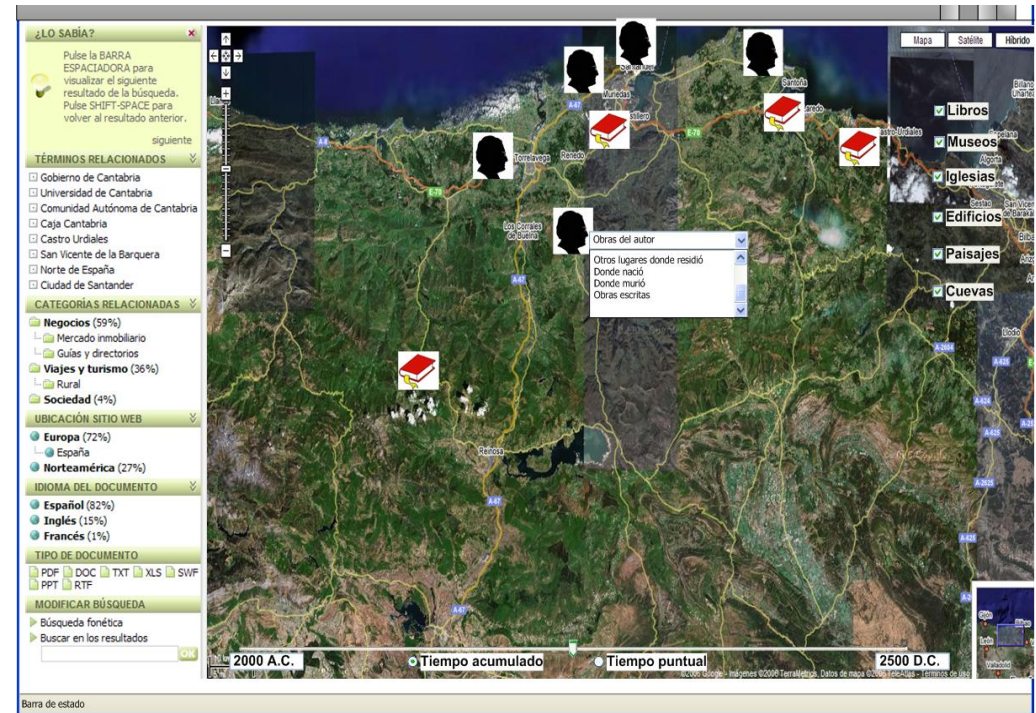
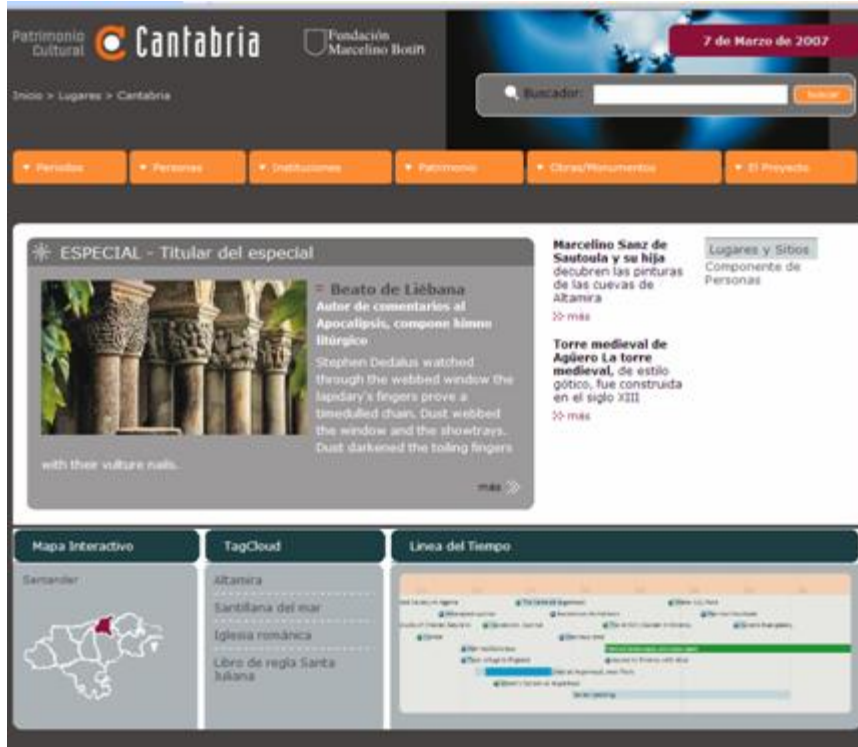
Set

Library availability

- used by over 20,000 students in Plymouth already, other UK universities to come...

An Ontology of Cantabria's Cultural Heritage

- Semantic portal for cultural heritage based on
 - a specialized ontology (based on various standards)
 - integration of various data, digitized assets, etc, populating the portal based on the ontology
 - rich navigation based on the ontology, interactive maps, etc.




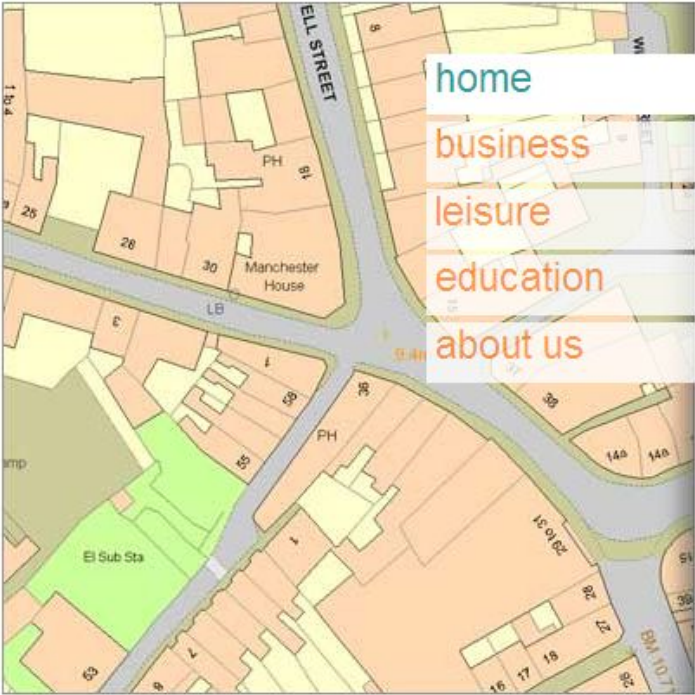
Courtesy of Francisca Hernández, Fundación Marcelino Botín, and Richard Benjamins, iSOCO, ([SWEQ Case Study](#))

Geographic Referencing Framework

- OS maintains a definitive mapping data of Great Britain (used by the public and private sector)
- Integrates different, semantically diverse sources of data
- Develops general ontologies (eg, Hydrology, Administrative Geography, Buildings and Places, etc) to bridge differences
- Efficient queries via the ontology (or directly in RDF)
- Advantages include efficient data integration, data repurposing, better quality control and classification

Ordnance Survey – Great Britain's national mapping agency See all our sites | Login





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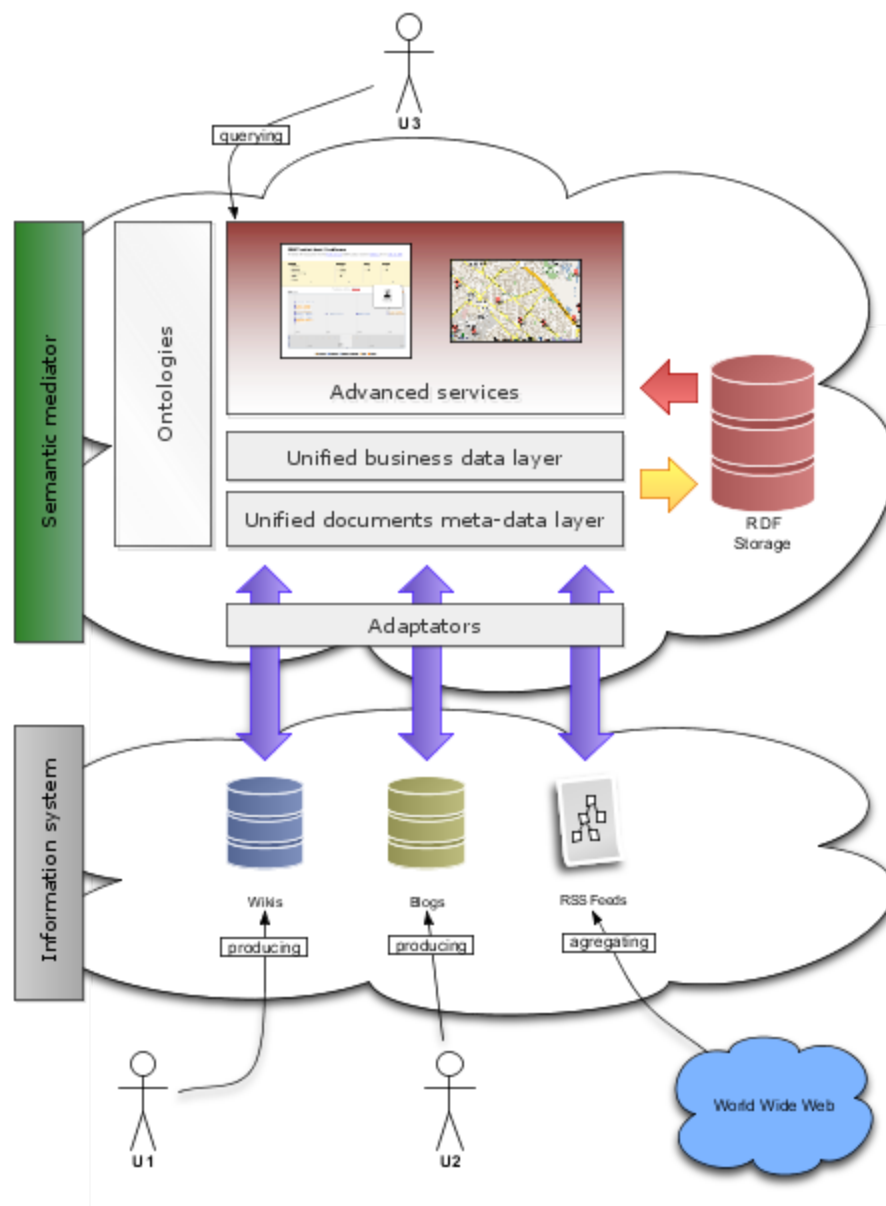
Ordnance Survey is Great Britain's national mapping agency, providing the most accurate and up-to-date geographic data, relied on by government, business and individuals.

Ordnance Survey © Crown copyright 2008
[Help](#) | [Accessibility](#) | [Contact Us](#) | [Sitemap](#) | [Legal & Privacy](#)

Courtesy of Catherine Dolbear, Ordnance Survey, ([SWEO Case Study](#))

Enhancement and Integration of Corporate Social Software Using the Semantic Web

- Integration of “social” software within the R&D department (wikis, blogs, tagging, RSS, etc)
 - integration based on RDF and commonly used vocabularies and data (SIOC, Dublin Core, Geonames, FOAF, SKOS)
 - developed plugins for, eg, wiki, to include RDF data automatically
 - tagging service to bind tags to URI-s of SW resources (eg, from DBpedia, geonames, etc)
- Users sees an integrated set of knowledge, without knowing about Semantic Web...



Courtesy of Alexandre Passant, EDF R&D and LaLIC, Université Paris-Sorbonne, ([SWEQ Case Study](#))

Prioritization of Biological Targets for Drug Discovery

- Better prioritization of possible drug targets, based on
 - integrating large diversity of data,
 - electronic patient records, chemical structures, biological sequences, images, biological pathways, scientific papers,...
 - usage public and internal ontologies
- A search engine (“Target Assessment Tool”) is built to assist researchers

The screenshot shows the 'Lilly Science Grid' application interface. On the left, a search bar contains 'TNF' and a 'Search' button. Below it, 'Search Options' include 'Match case' and 'Exact match' checkboxes. The 'Found' section shows 'Entrez: TNF'. The 'Ontology Tree' on the left lists categories like MESH, Biological Sciences, Diseases, and Pathways, with 'TNF Signaling Pathway' expanded. The main area displays a 'Star Tree' visualization with 'tumour necrosis factor (TNF)' at the center. Branches radiate outwards to various medical conditions such as Inflammation, Infection, Unspecified, Cancer, Arthritis, Psoriasis, Asthma, Acne, Crohn's disease, and Ischaemia. Each branch is further divided into specific drug names, many of which are highlighted in green or blue boxes. At the bottom, a toolbar includes navigation icons and the text 'Star Tree™ created with Inxight VizServer™'. The status bar at the very bottom shows 'DA88288' and 'mc1disnetp1.am.lilly.com'.

Courtesy of Susie Stephens, Eli Lilly ([SWEO Case Study](#))

Composing Safer Drug Regimens for the Individual Patient using Semantic Web Technologies

- Help in finding the best drug regimen for a specific case
 - find the best trade-off for a patient
- Use an ontology for medical conditions, signs, symptoms
- Integrate data from various sources (patients, physicians, Pharma, researchers, etc)

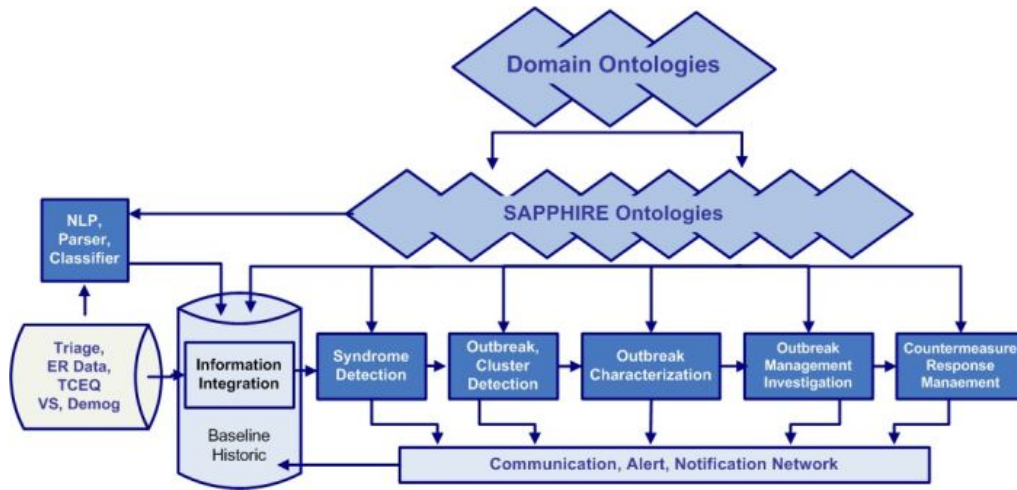
The screenshot displays the PharmaSURVEYOR interface for 'Abby' with 'Survey 1 Version 2'. It features a navigation bar with 'Optimized Regimens', 'Current Regimen', 'Survey Summary', and 'Survey Set-up'. Below this is a sub-header with 'PharmaSURVEYOR', 'PharmaSURVEY for Abby', and 'Survey 1 Version 2'. A 'Current Regimen' icon is visible. The main area contains a table comparing 'Current Regimen' (Profile 1) and two 'Safety Optimized Profiles' (Profiles 2 and 3). The table has columns for 'Severity', 'Adverse Drug Effect', and 'v2'. The rows list various ADEs with their severity levels and checkmarks. A 'row(s) 1 - 6 of 6' indicator is at the bottom right, and an 'Export to Excel' link is at the bottom left.

| Severity | Adverse Drug Effect | v2 | Current Regimen | Safety Optimized Profile 1 | Safety Optimized Profile 2 |
|----------|---|----|-----------------|----------------------------|----------------------------|
| ADE | Moderate Muscle Weakness (Myasthenia) | ✓ | ██████████ | ██████████ | ██████████ |
| ADE | Minor Excessive Sweating (Diaphoresis) | ✓ | ██████████ | ██████████ | ██████████ |
| ADE | Moderate Heart Throbbing or Pounding (Palpitations) | ✓ | ██████████ | ██████████ | ██████████ |
| ADE | Moderate Hives (Urticaria) | ✓ | ██████████ | ██████████ | ██████████ |
| ADE | Major Bladder Inflammation (Cystitis) | ✓ | ██████████ | ██████████ | ██████████ |
| ADE | Major Urinary Tract Infection | ✓ | ██████████ | ██████████ | ██████████ |

- Different “profiles” are provided with various risk factors
- It is more than just pure search...

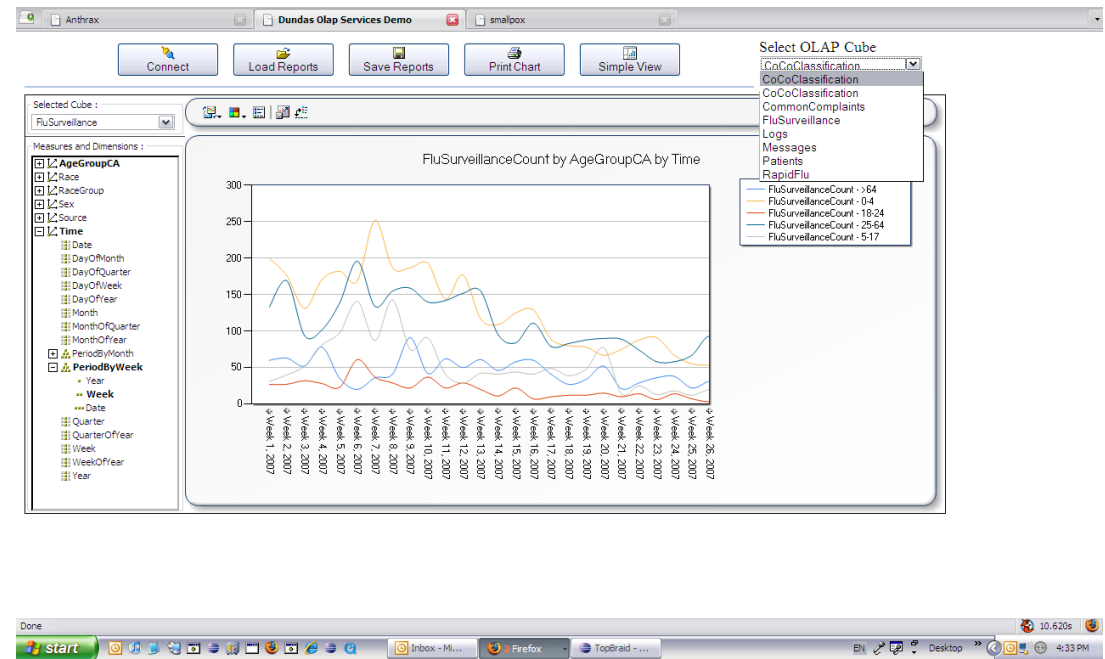
Public Health Situation Awareness

- SAPPHIRE: an integrated biosurveillance system; integrates data from multiple disparate sources
- Data can be viewed from many different perspectives (disease surveillance, environmental protection, biosecurity and bioterrorism, veterinary surveillance, etc.)
- New information absorbed easily (eg, it had a successful use during the Katrina disaster)
- Advantages include dynamic adaptability, usage of disparate and heterogeneous data



SAPHIRE's structure

SAPHIRE's user interface



Improving the Reliability of Search Results

- Content labels: metadata with extra information (in RDF) on search results (eg, suitability for mobile devices, disabled users or children)
- Segala's Search Thresher extension can: (1) process search results, trying to locate a content label file and (2) highlight pages that contain a content label file with additional information displayed
- More trust and warning on search results; with proper settings, results can be filtered along various criteria



Courtesy of David Rooks, Segala, ([SWEQ Case Study](#))

Enhancing Content Search

- Oracle Technology Network (OTN) aggregates many sources of content through a single portal
- Various feeds are pulled, Oracle's taxonomy is used for additional annotation
- Ontologies make it possible to re-group related items; leads to more comprehensible search results and to narrow search
- Advantages include enhanced search and navigation, better user interface, better queries through SPARQL

Courtesy of Mike DiLascio, Siderean Software, and Justin Kestelyn, Oracle Corporation ([SWEO Case Study](#))

> Siderean Software & Oracle

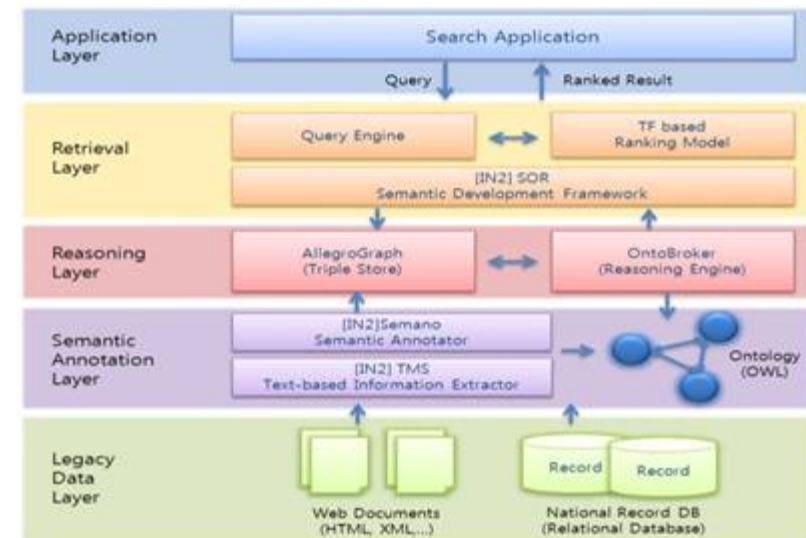
The screenshot shows the Oracle Technology Network Semantic Web interface. The page title is "Oracle Technology Network Semantic Web - Mozilla Firefox". The main heading is "Welcome to OTN Semantic Web (Beta)". Below the heading is a navigation menu with categories: HOME, HEADLINES, DOWNLOADS, FORUMS, ARTICLES, PRODUCTS, BLOGS, and MORE. The page is divided into several sections: "NAVIGATE BY" with sub-sections like DATABASE, SECURITY, and APPLICATIONS; "RECENTLY POSTED" with a list of articles; "ARTICLES" with a list of articles; "BLOGS" with a list of blog entries; "FORUMS" with a list of forum topics; and "DISCUSSION FORUMS" with a list of forum topics. The interface is clean and professional, with a clear layout and easy navigation.

The screenshot shows the Oracle Blogs interface. The page title is "OTN - Blogs - Mozilla Firefox". The main heading is "Welcome to Oracle Blogs". Below the heading is a navigation menu with categories: HOME, HEADLINES, DOWNLOADS, FORUMS, ARTICLES, PRODUCTS, BLOGS, and MORE. The page is divided into several sections: "NAVIGATE BY" with sub-sections like DATABASE, SECURITY, and APPLICATIONS; "RECENTLY POSTED" with a list of articles; "ARTICLES" with a list of articles; "BLOGS" with a list of blog entries; "FORUMS" with a list of forum topics; and "DISCUSSION FORUMS" with a list of forum topics. The interface is clean and professional, with a clear layout and easy navigation.

Courtesy of Mike DiLascio, Siderean Software, and Justin Kestelyn, Oracle Corporation ([SWEO Case Study](#))

Semantic MDR and IR for National Archives

- Metadata infrastructure for the documents in the National Archives of Korea (70 million national records)
 - text mining + ontologies to build up the metadata
 - over 12 million metadata statements stored in a specialized RDF datastore
- Information retrieval engine combine the metadata structures with rules



Courtesy of Tony Lee, Jin Woo Kim, and Bok Ju Lee, Saltlux, Kyu Hyup Kim, Yoon Jung Kang, NAK ([SWEO Case Study](#))

> Saltlux & National Archives Korea



국가기록원 나라기록검색

간략검색 | 상세검색 | 생산기관별검색 | 계층별검색 | 의미검색

인기검색어: 재산취수 | 무역협정 | 육영수 | 남제주

검색어: 박정희

연관검색어 국무부 답신안 연두 순시 항발 김수환

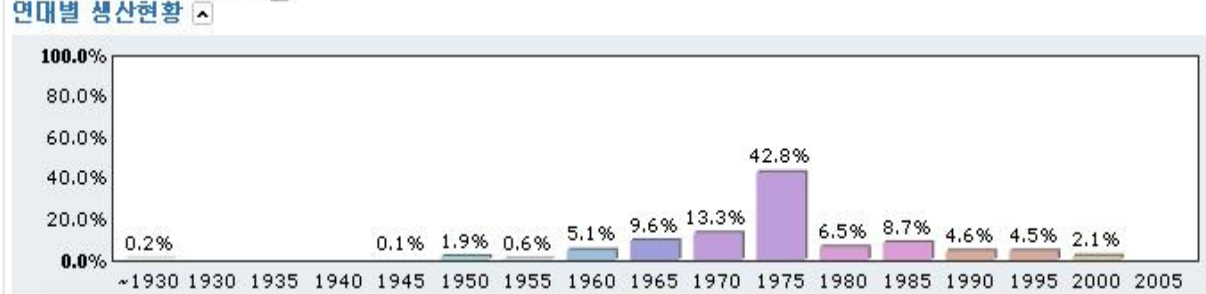
국무부 약력 워싱턴 재무부 친목회 사방문 파나마 회견 전라북도 종대장 서신 구호금 산서 가족 봉외상 방문 원시찰 선물 환영객 의장 모습 대사 장태국 알레고 담화 낙슨 약속 공수단 시찰 케네디 장부 청취 대통령 산도 장부인 장하 주시찰 박정희의장치사 박정희의장육군해군 영애 박정희의장 답신안 Kennedy 연두 교서 순시 지방 순시 항발 호주 김수환 건배

5대 ~ 9대



박정희 대통령

성명: 박정희
 지위: 대통령 (관련사이트로 이동)
 혈액형: A형
 출생일: 1917-11-14
 출생지: 경북 구미
 종교: 불교
 경력:



- 관련 인물
- 테일러
 - 로데릭
 - 벤프리트
 - 레아부아조나단
 - 번스틴

- 관련 조직/기구
- 농지개발조합
 - 일신산업
 - CIA
 - IPU
 - 전국경제인연합회

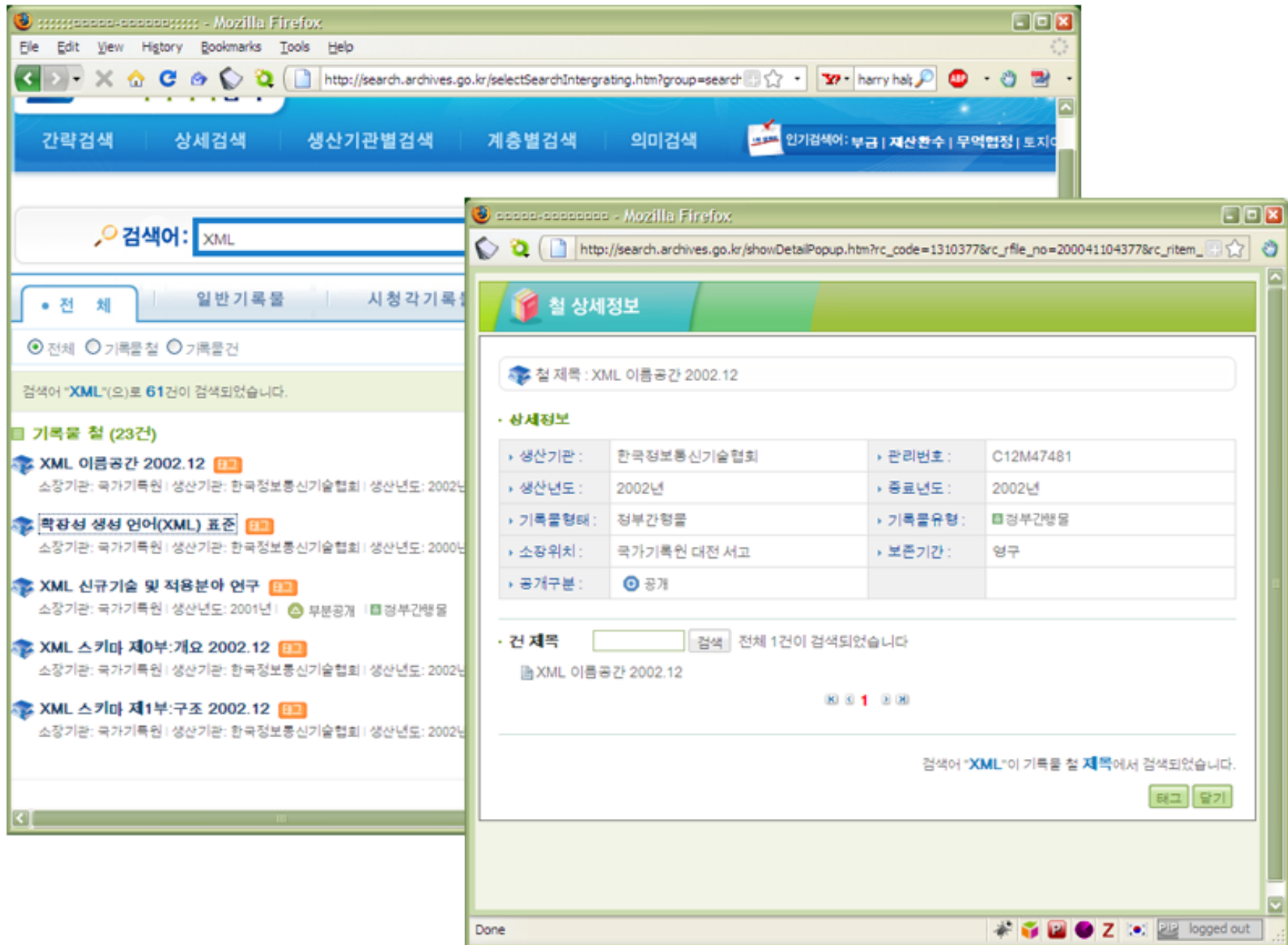
- 관련 조약/회담
- 국방장관회담
 - 마닐라정상회담

- 관련 정책/제도
- 제2차경제개발5개년계획

Courtesy of Tony Lee, Jin Woo Kim, and Bok Ju Lee, Saltlux, Kyu Hyup Kim, Yoon Jung Kang, NAK (SWEO Case Study)



> Saltlux & National Archives Korea



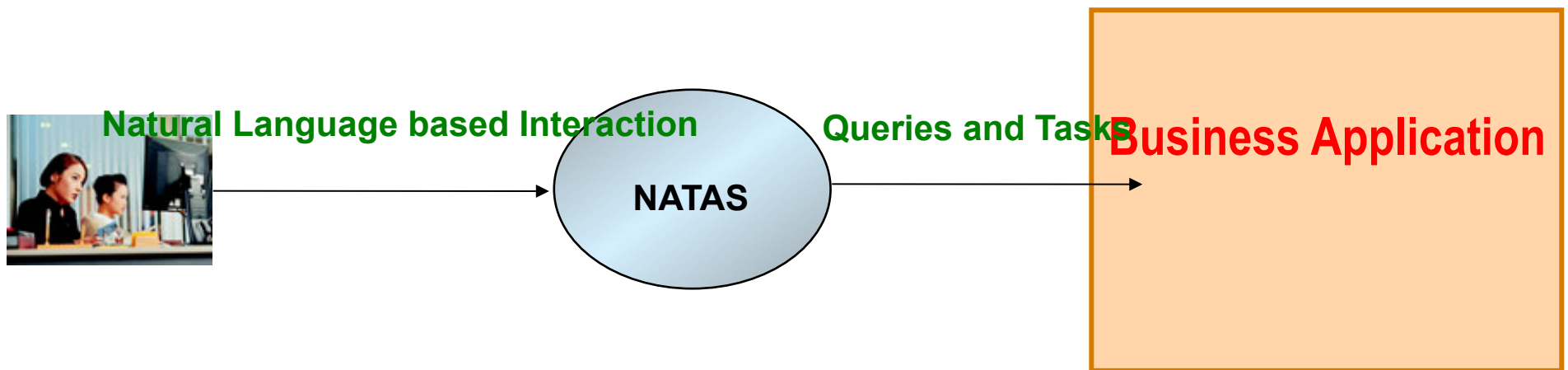
Courtesy of Tony Lee, Jin Woo Kim, and Bok Ju Lee, Saltlux, Kyu Hyup Kim, Yoon Jung Kang, NAK (SWEO Case Study)

The swoRDFish Metadata Initiative: Better, Faster, Smarter Web Content

- Management of Sun's corporate product web site:
 - data management tools are used to create, classify, and manage resources and their relationships
 - Sun's content management system import resource Ids; web publishers assign as metadata to their content
 - Web sites built dynamically and auto assembled to include lists of related informations, services, technologies, etc

Natural Language Interface to Business Applications

- NATAS: users interact with a business application in natural language by posing questions and invoking tasks (eg, by emails)
- A domain OWL ontology helps in the retrieval of relevant data and concepts



> Tata Consultancy Services



Welcome to Natas -- A Natural Language Conversational System

Good Evening! This is Natas.

I am a conversational system.
You can ask me questions in English in natural format.
I shall find out the answers and get back to you.

---- Your Conversation ----

Ques.1. Could you please give me a list of camcorders which are having rebate

Ans. 1. The Camcorder having Discount are

- DXG 3MP Digital Camcorder - DXG-301V
- Panasonic Mini DV Camcorder
- Aiptek IS-DV2 Digital Camcorder
- Panasonic 2.8" LCD Digital Camcorder with 3CCD Technology - Silver (SDR-S150).

Your question ?

OK Quit

Powered by Natas

Welcome to Natas -- A Natural Language Conversational System

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- Panasonic 2.8" LCD Digital Camcorder with 3CCD Technology - Silver (SDR-S150).

Your question ?

OK Quit

Powered by Natas

Courtesy of C. Anantaram, Tata Consultancy Services Limited ([SWEO Case Study](#))

Semantic Content Description to improve discovery

- Integrate various vendors' product descriptions via RDF
 - ring tones, games, wallpapers
 - manage complexity of handsets, binary formats
- A portal is created to offer appropriate content
- Significant increase in content download after the introduction



> Municipality of Zaragoza

An Intelligent Search Engine for Online Services for Public Administrations

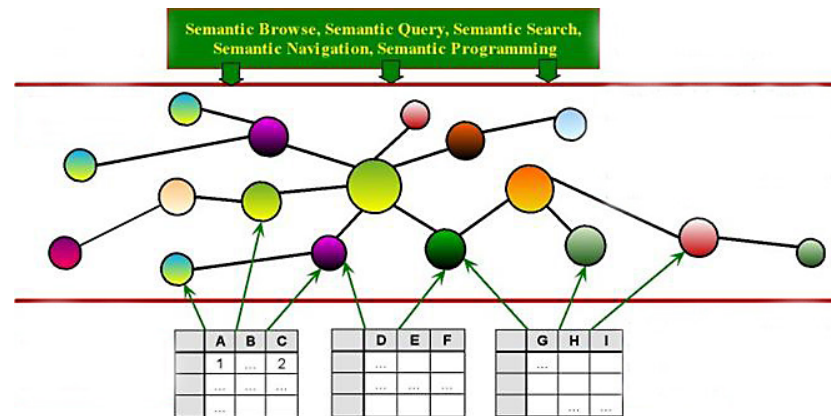
- Semantic Web based search engine for public services
- The search is based on natural language processing and ontological reasoning



Courtesy of Jesús Fernando Ruíz, Municipality of Zaragoza ([SWEO Use Case](#))

Semantic-based Search and Query System for the Traditional Chinese Medicine Community

- Integration of a large number of relational databases (on traditional Chinese medicine) using a Semantic Layer
- A visual tool to map databases to the semantic layer using a specialized ontology
- Form based query interface for end users



Courtesy of Huajun Chen, Zhejiang University, ([SWEO Case Study](#))

1. Display relational tables

2. Display ontologies.

3. User drags tables and classes into this panel, and establishes their mappings. One table is likely to be mapped to more than one classes.

4. Mapping of ZT_VIEW_ZHENJULF to ZT_VIEW_ANMOLF

5. Meta-information about the selected table.

6. Outline of the mapping definitions. User could query mappings defined before.

Ontological classes

Synonyms and Paronyms

Semantic association

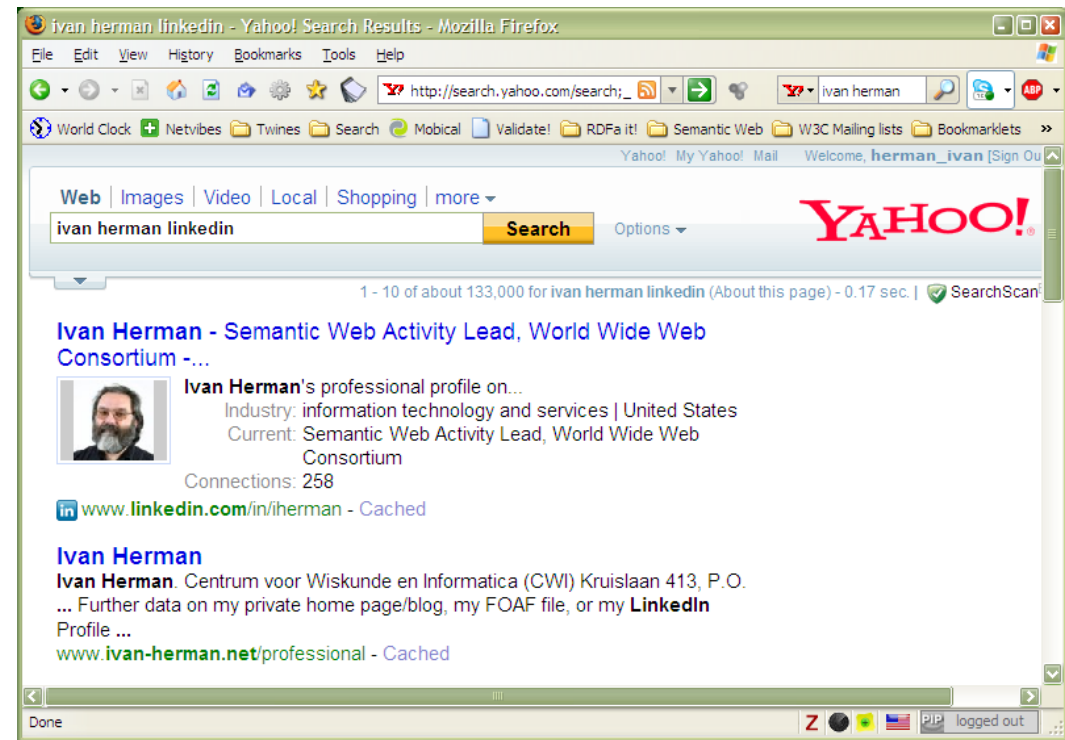
Based on the semantic relations defined at the ontological level, user can keep searching and navigating over the integrated databases without the awareness of the database boundaries.

When full text search returns too much results, clicking the classes leads to a dynamic form-based query interface by which user could specify semantic query, thereby getting more accurate and appropriate results.

Courtesy of Huajun Chen, Zhejiang University, (SWEO Case Study)

Improving Web Search using Metadata (SearchMonkey)

- *SearchMonkey* reuses structural data to improve search result output with applications added to personalized search pages
- Metadata embedded in pages (in RDFa, eRDF, etc) are reused
- RDFa attributes can also be added to RSS feeds (“DataRSS”), exported by publishers, and reused by SearchMonkey



[Dr. Seuss' Horton Hears a Who \(2008\) Movie - Acme Movies](#)



[Movie Details](#)
[Showtimes & Tickets](#)
[Trailers & Clips](#)
[Critics Reviews](#)

Critics Review: ★★★★★ (173)
MPAA Rating: G
Running Time: 1 hr. 28 min.
Release Date: March 14th, 2008 (wide)

[acmemovies.com/hortonhearsawho](#) - [Cached](#)

[Reviews](#) ★★★★★ (77) [Cast & Crew](#) [Netflix](#)

Movie Reviews - Flixster



★ Top Critic

Moviebuff71
San Francisco, CA

Seuss lovers may now heave a sigh of relief. Unlike those behind the recent live-action grotesqueries *The Grinch* and *Cat in the Hat*, the makers of the *Horton Hears a Who!* do well by the great, good medic of metrical writing.

[See 76 more reviews](#)

[Topics for Getting Pregnant - BabyCenter](#)



[Tools](#)
[Before you Try](#)
[Active Trying](#)
[Having Trouble](#)

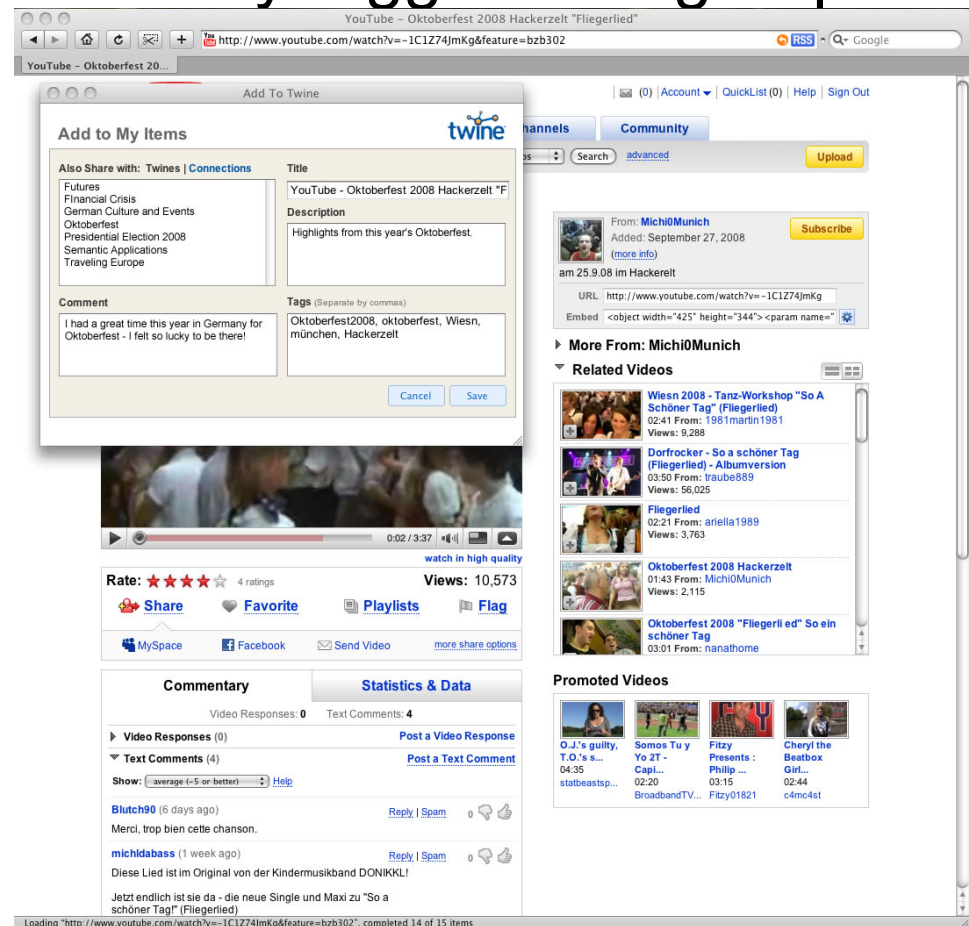
BabyCenter's getting **pregnant** tools and information can boost your chances of conception by helping you chart your cycle, read your cervical mucus, and pinpoint ovulation.

[www.babycenter.com/getting-pregnant](#) - 76k - [Cached](#)



Twine

- Social bookmarking and cooperation system
- Bookmarks are analyzed, automatically tagged and grouped
- Internals in RDF
- Grouping, tagging, relationships, etc, based on (OWL) ontologies
- Users' data will be available via SPARQL



Courtesy of Jim Wissner and Nova Spivack, Twine, ([SWEQ Case Study](#))

The screenshot shows the Twine website interface. At the top, there is a navigation bar with the Twine logo, links for 'My Interests', 'My Profile', 'Explore', and 'Inbox 2'. On the right, there is a user profile for 'ivanherman' with a 'My Account' link and a 'Sign Out' button. Below the navigation bar is a search bar with the text 'Find Everything by name or interest' and a 'Go' button. To the right of the search bar are buttons for 'Add Item' and 'Connect with people'. The main content area features a Twine group titled 'European Integration Process'. It has tabs for 'Summary', 'Items', and 'Members'. The 'Summary' tab is active, showing a description: 'Research and discussion on the process of European integration from different dimensions (history, policies, economics, social)'. Below the description, it says '16 Items | 9 Members' and 'Tags: European integration'. There is a photo of various European flags. Below the photo, it says 'Public'. To the right of the main content area are buttons for 'Invite People' and 'Leave This Twine'. Below these buttons is a section titled 'Started Oct. 25, 2008' with a profile picture of Frederic ANDRES and the text 'Frederic ANDRES topic maps and semantic ...'. Below this is a 'Rules of this twine' section and a 'Post Items by Email' button. At the bottom of the main content area is a 'Recent Activity' section with tabs for 'Items' and 'Comments'. The 'Items' tab is active, showing two items. The first item is 'The International Conference of The Enlargement of the EU and East Asian Regional Reorganization and Integration' with a 'BOOKMARK' button. The second item is 'Perspectives of Police science in Europe' with a 'DOCUMENT' button. On the right side of the page, there is a 'Recommended Twines' section with three items: 'Global Economy', 'Mauro Magnani's FINANCIAL TWINE', and 'Globalization | Trade and Finance'. Each item has a 'Join' button and a 'No Thanks' button. At the bottom right, there is a 'View all' link.

Courtesy of Jim Wissner and Nova Spivack, Twine, ([SWEQ Case Study](#))

Items I Added (298) | Shared with You (6) | Shared by You (5) | Collected Items (30) | All Items

Share Collect Remove this item

The Second World: Empires and Influence in the New Global Order

Book added by Armando F. Mastraps on 05/04/2008
Public

Shared by Ivan Herman with Ivan Herman on 06/05/2008

Description

Khanna, a widely recognized expert on global politics, offers an study of the 21st century's emerging geopolitical marketplace dominated by three first world superpowers, the U.S., Europe and China. Each competes to lead the new century, pursuing that goal in the third world: select eastern European countries, east and central Asia, the Middle East Latin America, and North Africa. The U.S. offers military protection and aid. Europe offers deep reform and economic association. China offers full-service, condition-free relationships. Each can be appealing; none has obvious advantages. The key to Khanna's analysis, however, is his depiction of a second world: countries in transition. They range in size and population from heavily peopled states like Brazil and Indonesia to smaller ones such as Malaysia. Khanna interprets the coming years as ...

Original URL <http://www.amazon.com/gp/product/1400065089?ie=UTF8&tag=zenpundit-20&linkCode=as2&camp=1789&creative=9325&creativeASIN=1400065089>

| | |
|-----------|--------------|
| Author | Parag Khanna |
| Publisher | Random House |

Places (10)

People (1)

Organizations (1)

Other tags (13)

- 21st century
- Communist countries
- Former communist countries
- Future Studies
- Globalization
- International Economic Relations
- International Relations - General
- Political Science
- Political Science / General
- Politics / Current Events
- Politics/International Relations
- Random House
- World politics

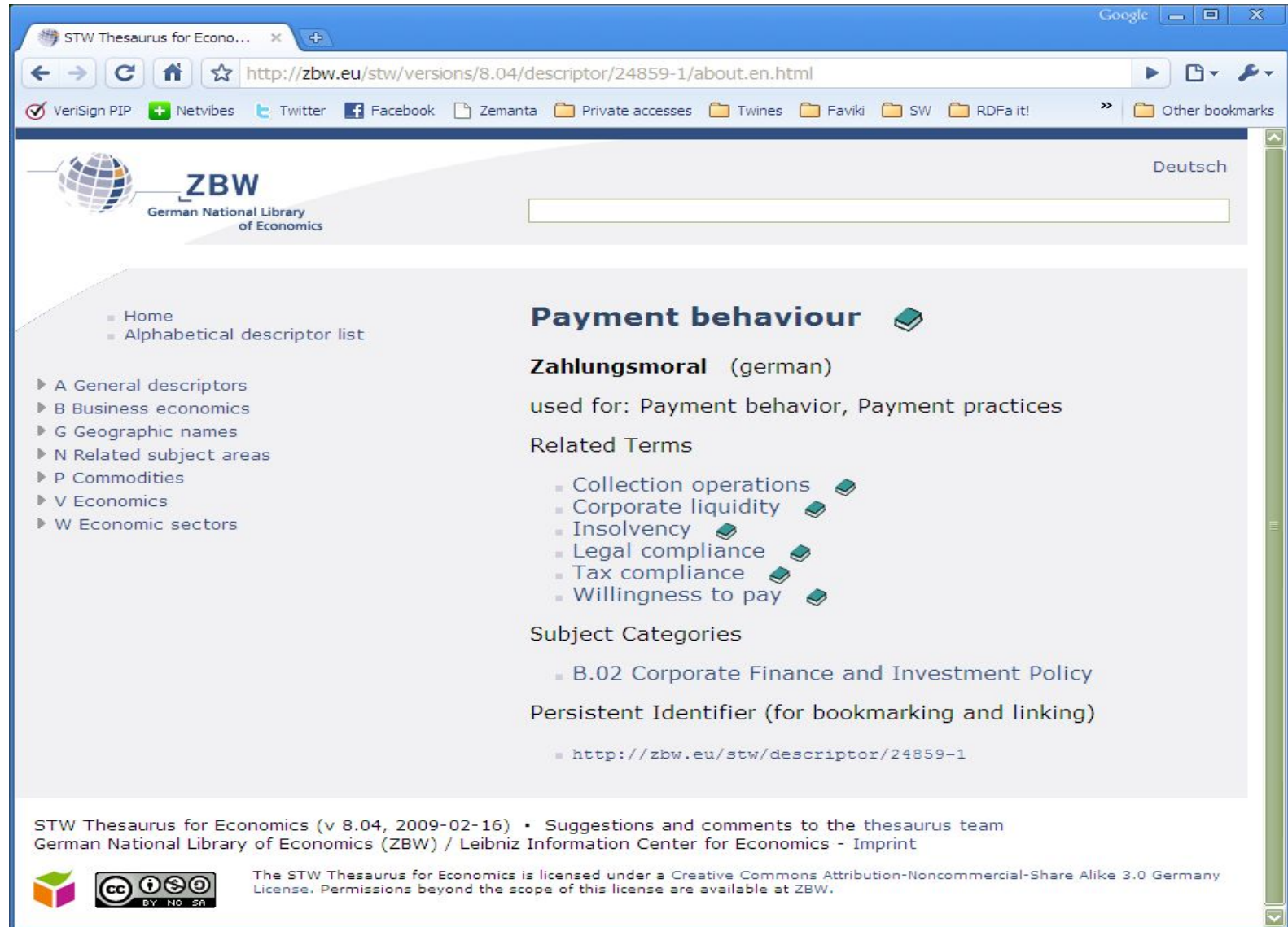
Add other tags

Created In
Geopolitics

Recommended Items

- Parag Khanna: Embrace the Post-American ...**
In his book *The Second World: Empires and Influence in the New Global Order*, Khanna, 31 ... JDP
- Foreign Affairs - The Rise of China and ...**
Summary: China's rise will inevitably bring the United States' unipolar moment to an end. But ... David Scott "Lightman" Lewis
- China as the Antidote to Oppression and ...**
A new sun rises in the East. Americans ask themselves, will China's exports gently burnish the ... David Scott "Lightman" Lewis
- Geopolitical trends | The**

Publishing Thesaurus for Economics



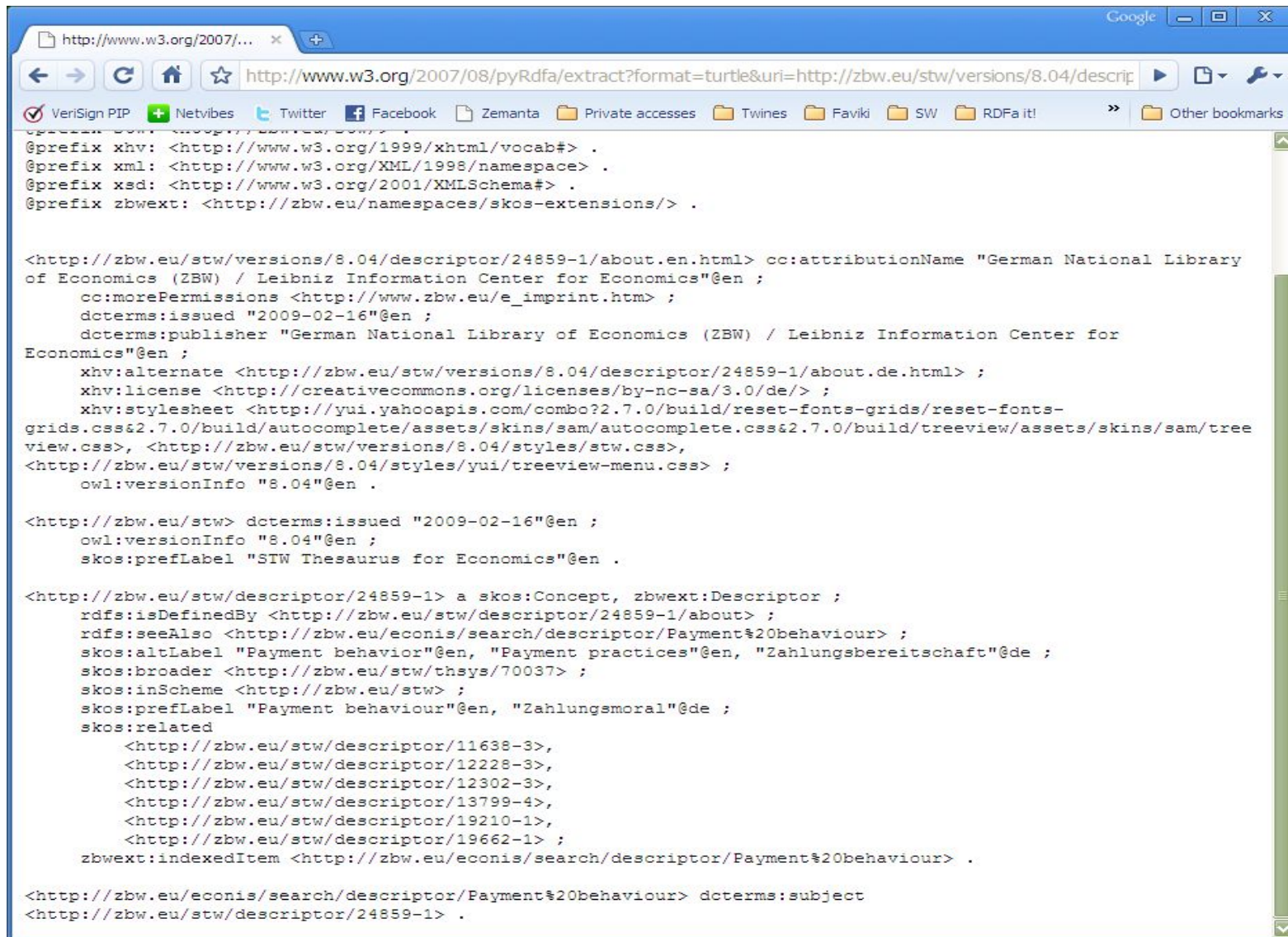
The screenshot shows a web browser window displaying the STW Thesaurus for Economics page for the descriptor 'Payment behaviour'. The browser address bar shows the URL: <http://zbw.eu/stw/versions/8.04/descriptor/24859-1/about.en.html>. The page features the ZBW logo and navigation links. The main content area includes:

- Payment behaviour** (with a book icon)
- Zahlungsmoral** (german)
- used for: Payment behavior, Payment practices
- Related Terms
 - Collection operations
 - Corporate liquidity
 - Insolvency
 - Legal compliance
 - Tax compliance
 - Willingness to pay
- Subject Categories
 - B.02 Corporate Finance and Investment Policy
- Persistent Identifier (for bookmarking and linking)
 - <http://zbw.eu/stw/descriptor/24859-1>

At the bottom, there is a Creative Commons Attribution-NonCommercial-Share Alike 3.0 Germany license logo and text: "The STW Thesaurus for Economics is licensed under a Creative Commons Attribution-NonCommercial-Share Alike 3.0 Germany License. Permissions beyond the scope of this license are available at ZBW."

Courtesy of Timo Borst and Joachim Neubert, German National Library of Economics, ([SWEQ Case Study](#))

Publishing Thesaurus for Economics



```
http://www.w3.org/2007/08/pyRdfa/extract?format=turtle&uri=http://zbw.eu/stw/versions/8.04/descrip
VeriSign PIP Netvibes Twitter Facebook Zemanta Private accesses Twines Faviki SW RDFa it! Other bookmarks
@prefix xhv: <http://www.w3.org/1999/xhtml/vocab#> .
@prefix xml: <http://www.w3.org/XML/1998/namespace> .
@prefix xsd: <http://www.w3.org/2001/XMLSchema#> .
@prefix zbwext: <http://zbw.eu/namespaces/skos-extensions/> .

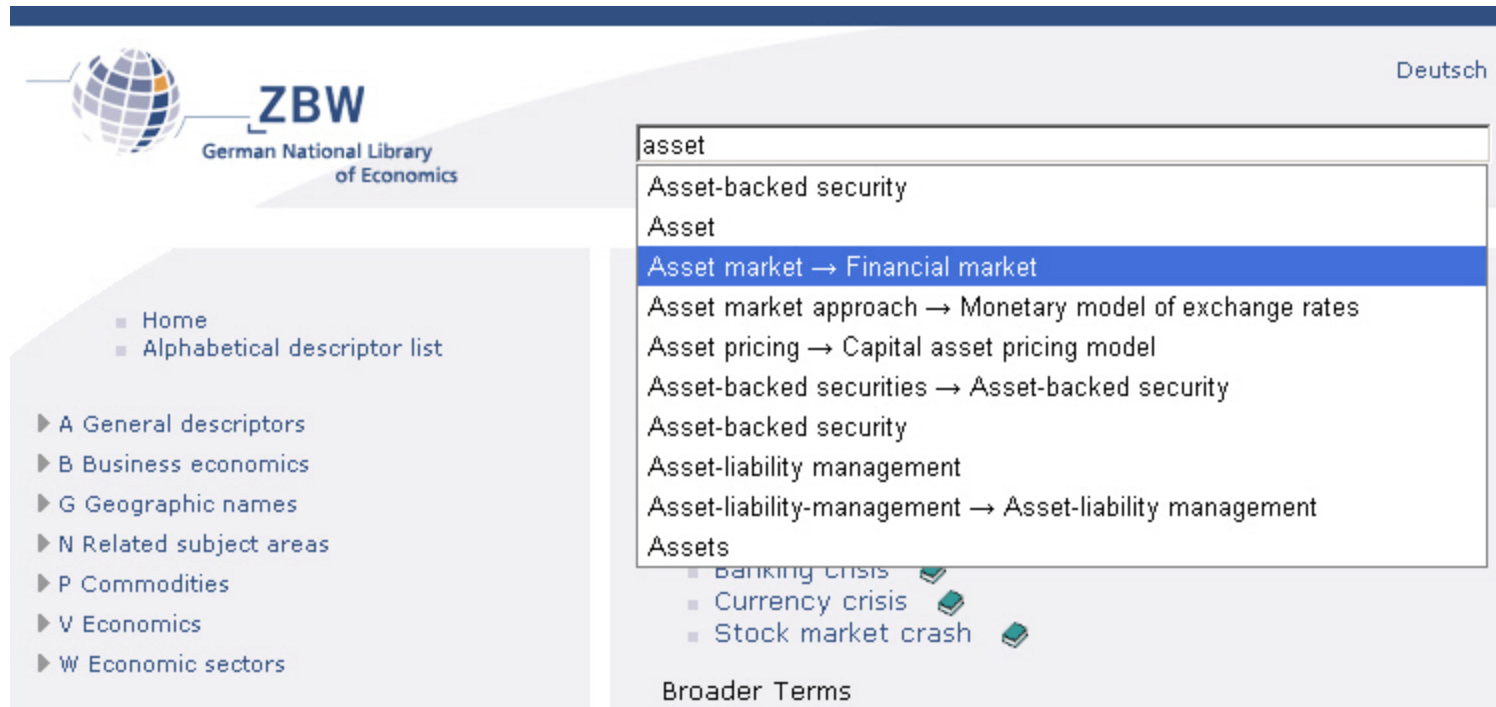
<http://zbw.eu/stw/versions/8.04/descriptor/24859-1/about.en.html> cc:attributionName "German National Library
of Economics (ZBW) / Leibniz Information Center for Economics"@en ;
  cc:morePermissions <http://www.zbw.eu/e_imprint.htm> ;
  dcterms:issued "2009-02-16"@en ;
  dcterms:publisher "German National Library of Economics (ZBW) / Leibniz Information Center for
Economics"@en ;
  xhv:alternate <http://zbw.eu/stw/versions/8.04/descriptor/24859-1/about.de.html> ;
  xhv:license <http://creativecommons.org/licenses/by-nc-sa/3.0/de/> ;
  xhv:stylesheet <http://yui.yahooapis.com/combo?2.7.0/build/reset-fonts-grids/reset-fonts-
grids.css&2.7.0/build/autocomplete/assets/skins/sam/autocomplete.css&2.7.0/build/treeview/assets/skins/sam/tree
view.css>, <http://zbw.eu/stw/versions/8.04/styles/stw.css>,
<http://zbw.eu/stw/versions/8.04/styles/yui/treeview-menu.css> ;
  owl:versionInfo "8.04"@en .

<http://zbw.eu/stw> dcterms:issued "2009-02-16"@en ;
  owl:versionInfo "8.04"@en ;
  skos:prefLabel "STW Thesaurus for Economics"@en .

<http://zbw.eu/stw/descriptor/24859-1> a skos:Concept, zbwext:Descriptor ;
  rdfs:isDefinedBy <http://zbw.eu/stw/descriptor/24859-1/about> ;
  rdfs:seeAlso <http://zbw.eu/econis/search/descriptor/Payment%20behaviour> ;
  skos:altLabel "Payment behavior"@en, "Payment practices"@en, "Zahlungsbereitschaft"@de ;
  skos:broader <http://zbw.eu/stw/thsys/70037> ;
  skos:inScheme <http://zbw.eu/stw> ;
  skos:prefLabel "Payment behaviour"@en, "Zahlungsmoral"@de ;
  skos:related
    <http://zbw.eu/stw/descriptor/11638-3>,
    <http://zbw.eu/stw/descriptor/12228-3>,
    <http://zbw.eu/stw/descriptor/12302-3>,
    <http://zbw.eu/stw/descriptor/13799-4>,
    <http://zbw.eu/stw/descriptor/19210-1>,
    <http://zbw.eu/stw/descriptor/19662-1> ;
  zbwext:indexedItem <http://zbw.eu/econis/search/descriptor/Payment%20behaviour> .

<http://zbw.eu/econis/search/descriptor/Payment%20behaviour> dcterms:subject
<http://zbw.eu/stw/descriptor/24859-1> .
```

Courtesy of Timo Borst and Joachim Neubert, German National Library of Economics, ([SWEQ Case Study](#))



The screenshot shows the ZBW website interface. At the top left is the ZBW logo and the text 'German National Library of Economics'. At the top right is the word 'Deutsch'. Below the logo is a navigation menu with items: Home, Alphabetical descriptor list, A General descriptors, B Business economics, G Geographic names, N Related subject areas, P Commodities, V Economics, and W Economic sectors. A search box contains the text 'asset'. A dropdown menu is open, showing a list of suggestions: 'Asset-backed security', 'Asset', 'Asset market → Financial market' (highlighted in blue), 'Asset market approach → Monetary model of exchange rates', 'Asset pricing → Capital asset pricing model', 'Asset-backed securities → Asset-backed security', 'Asset-backed security', 'Asset-liability management', 'Asset-liability-management → Asset-liability management', and 'Assets'. Below the dropdown menu are three small icons representing 'Banking crisis', 'Currency crisis', and 'Stock market crash'. At the bottom of the dropdown menu is the text 'Broader Terms'.

Autosuggest search based on the thesaurus

Online Resource for Information on Aquatic Sciences (www.aquaringweb.eu)

- Portal to access diverse information on aquatic sciences
- External and internal ontologies provide semantic search, multilinguality, faceted user interface

Courtesy of Marta González Rodríguez, Tecnalia, ([SWEO Case Study](#))

Bringing European resources on the aquatic world to you

AQUARING

Home Search Tag cloud Map Exhibitions Video Join About



▶ Language selected: ▶ User type selected: None ▶

Select a topic **General** Species Land Habitats Fishing areas Vessels Education

Contents:

-  Jumping striped dolphin
Acquario di Genova
[ID: 136]
-  three striped dolphins
Acquario di Genova
[ID: 138]
-  bottlenose dolphin
Acquario di Genova
[ID: 139]
-  bottlenose dolphin with puppy
Acquario di Genova
[ID: 140]
-  Harbour Seal sound

Related topics:

You have selected: MAMMALIA

Select a topic:

ATL.ANTARCTC PHOCIDAE CETOLOGY **MARINE MAMMALS**

NW PACIFIC MEDITERRANEAN PHOCOENA PHOCOENA ANIMAL POPULATIONS

E INDIAN O. SE ATLANTIC PISCES LIGURIA PINNIPEDIA TEMPERATE

WATERS HALICHOERUS GRYPUS NE ATLANTIC MARINE ENVIRONMENT

MARINE HABITATS DELPHINIDAE BALTIC SEA

MYSTICETI PAC.ANTARCTC EC ATLANTIC MARINE ORGANISMS SPECIES

EXTINCTION NE PACIFIC AMPHIBIA, REPTILIA NW ATLANTIC EC

PACIFIC AQUATIC ANIMALS WC ATLANTIC CAPTIVITY WC PACIFIC

Relations:

MAMMALIA

lies in ...

- ESTUARIES
- NE ATLANTIC
- SE ATLANTIC
- EC PACIFIC
- MEDITERRANEAN
- MARINE HABITATS

is studied by ...

- ECOLOGY
- CETOLOGY
- BIOACOUSTICS
- ETHOLOGY
- VERTEBRATE ZOOLOGY
- ENVIRONMENTAL

is affected by ...

- ORGANIC MATTER

Use of Semantic Web Technologies on the BBC Web Sites


- The Web as a content management system
- Eg, on the BBC Music site
 - for each artist information is made available
 - content is gathered from public and linked databases
 - Eg, MusicBrainz, Wikipedia/DBPedia, etc
- Web site shows an aggregated view put into a BBC context

BBC Text only Help Search [Explore the BBC](#)

WILDLIFE FINDER

WATCH THE MOST AMAZING ANIMALS IN THE WORLD

LATEST WILDLIFE




23 November 2009

Mosquitoes

Mosquitoes are a family of insects encompassing over 3,000 species in warm and humid regions, although they can be found in all climates. Most species feed on nectar, however, the females of some species develop eggs.


COLLECTIONS

Collections offer a new perspective on the vast catalogue of clips showcasing presenter favourites, aspects of wildlife film-making, and gathering content together in illuminating ways.



The wildlife of Life

In autumn 2009, a major new series brought us life as we've never seen it before. Filmed in HD, the series illustrated the extraordinary lengths to which animals and plants go in order to survive.




David Attenborough's favourite moments


David Attenborough's favourite moments from the last 30 years represent not only memorable personal experiences, but also the

EDITOR'S CHOICE

This week's highlights from Natural World.



Sunflower star 2 videos




Giant cuttlefish 2 videos

BBC Text only Help Search [Explore the BBC](#)




Music BETA

QUICK FIND



BBC 1XTRA
Watch 1Xtra Live
Watch video of performances from Dizzee, Tinchy Stryder, Sugababes, JLS, Chase and Status, Jay Sean and Kano.

MORE MUSIC ON THE BBC 1-3 OF 21

BROWSE BY GENRE

- Classic Pop & Rock
- Classical
- Country
- Dance & Electronica
- Desi
- Easy Listening, Soundtracks & Musicals
- Folk
- Hip Hop, RnB & Dancehall
- Jazz & Blues
- Pop & Chart
- Rock & Indie
- Soul & Reggae
- World

Most Played Artists On The BBC

30 NOVEMBER - 6 DECEMBER 2009

| | | | | | | |
|---------------|-------------|----------------|--------------|----------------|---------|-----|
| Dizzee Rascal | Johnny Cash | Mumford & Sons | Jason Derulo | Arctic Monkeys | Donae'o | Jay |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |


Information displayed about artists played on BBC programmes is incomplete at present. [Find out more about this artist play count information.](#)

[More Artists >](#)

Latest News Stories

NEWS FROM THE BBC

Music Radio Programmes



1Xtra MistaJam

Integrated, Connected Search Service for Technical Standards Information

- Integrated search service for technical standards
- Connected search service
- Non standard terminology is used by end-users
- Solution
 - ontology to describe (domestic) standards, patents, certification information, trends in standards, standardization activity details
 - gather heterogeneous data for all these information
 - technical standards-related terminology thesaurus to support non-standard terminology access
 - visual and tabular representation of query results

Courtesy of Pyung Kim, et al, KISTI and KAST, ([SWEQ Case Study](#))

검색어 입력

검색결과 바로가기

- KS(277)
- 정부표준(131)
- 국제표준(137)
- TBT통보문(97)
- 인증정보(4)
- KS업무처리(65)
- 표준화회의(51)
- 국제문서검토(126)
- 연구용역과제(3)

categories

최근검색어

- 콘크리트

영문

- concrete

korean-english

표준용어

- 콘크리트

standard term

유사어

KS 검색결과 총 277건이 검색되었습니다

| 표준번호 | 표준명 | 분야 | Search results in Korean Standards |
|------------|-----------------------------|-----------|--|
| KSMISO4635 | 가황 고무 - 콘크리트 고속도로 포장 접합 ... | 고무·가죽 | 화학세라믹표준과 <input type="button" value="원문보기"/> <input type="button" value="미리보기"/> |
| KSM3375 | 비압력 배수 및 하수용 플라스틱 배관계 - ... | 플라스틱·사진재료 | 화학세라믹표준과 <input type="button" value="원문보기"/> <input type="button" value="미리보기"/> |
| KSL9204 | 석고콘크리트의 물리적 특성 시험 방법 | 기타 | 화학세라믹표준과 <input type="button" value="원문보기"/> <input type="button" value="미리보기"/> |
| KSL9013 | 석고 콘크리트 | 기타 | 화학세라믹표준과 <input type="button" value="원문보기"/> <input type="button" value="미리보기"/> |

Courtesy of Pyung Kim, et al, KISTI and KAST, (SWEQ Case Study)

iLaw—Intelligent Legislation Support System

- legal services are to government departments, enabling them:
 - to review bills or legal cases in a wider and international framework
 - compare to similar legislation home and abroad, eg:
 - compare terms with those around
 - trends, academic papers, civil complaints
- based on:
 - integration of legal cases from US, Japan, and the EU countries, plus legal articles and academic papers in an RDF store
 - usage of own ontology, OWL and Rules reasoning

Courtesy of Hanming Jung, et al, KISTI and MOJ Korea, ([SWEQ Case Study](#))

시범서비스 (Experimental Service)

마이시스템은 국내 외 DB를 직접보유하지 않기 때문에 자동번역어가 부적절하거나 외부기관

마이페이지 | 로그인 | 비밀번호수정



항공운송

검색

통합검색

정보지도

다차원정보

동향정보

법령

판례

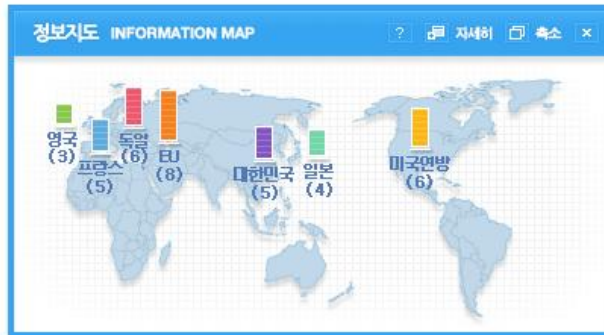
논문

민원

행정문헌

이용자가이드

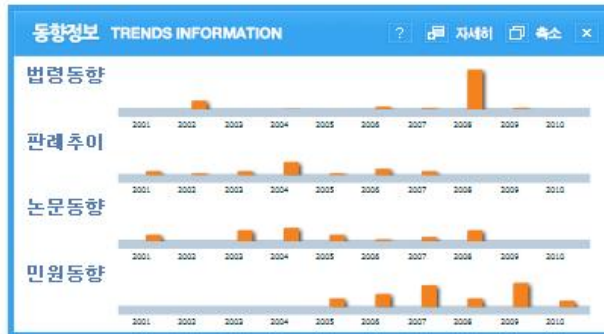
통합검색음성



화면이동

| | |
|--|--|
| | |
| | |
| | |
| | |

클릭하시면 간편하게 이동합니다.



- ### 법령 LAW
- > 국토해양부와 그 소속기관 직제 제49조 (운항기획관)
 - > 국토해양부와 그 소속기관 직제 시행규칙 제44조 (운항기획관),
 - > 국토해양부와 그 소속기관 직제 시행규칙 제50조 (서울지방항공,
 - > 50 U.S.C. § 1512 : US Code - Section 1512: **Transportation...**
 - > 49 U.S.C. § 44904 : US Code - Section 44904: **Domestic air ..**
- *'항공운송'와(과) 관련된 법령정보는 144건 이상입니다.

- ### 판례 CASE
- > 서울고등법원 76구388 항공운송주선업면허취소처분취소청구사건..
 - > 대법원 2008두10251 노선배분취소처분취소국제선정기항공운송..
 - > 대법원 2008두3123 국제선정기항공운송사업노선면허처분취소
- *'항공운송'와(과) 관련된 판례정보는 36건 이상입니다.

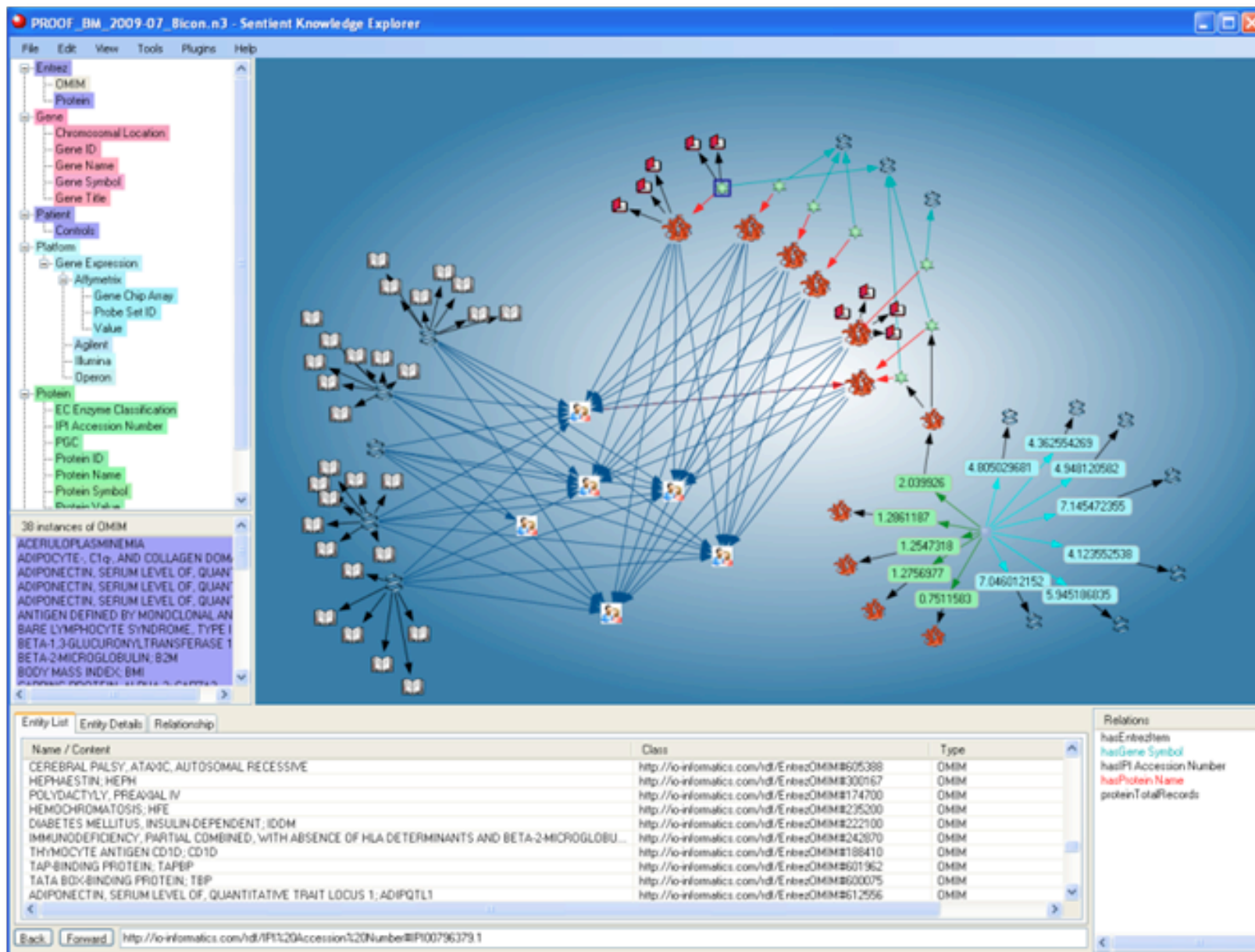
- ### 논문 MATERIALS
- > 신홍균, 김재형 (2000년) < 특집 > 21 세기를 대비한 항공산업제도 ..
 - > 박오화, 함영훈, 홍순길, 허희영 (1993년) 논문 : 중국의 항..
 - > 박석재 (2007년) 연구논문(연구논문) : 항공운송서류의 국제표준..
 - > 崔接璋 (2004년) 국제항공운송에 관한 1999년 Montreal Convent..
 - > 민기 (2008년) 시장실패와 제주도 지방정부의 항공운송산업 참여..

Courtesy of Hanming Jung, et al, KISTI and MOJ Korea, (SWEO Case Study)

Applied Semantic Knowledgebase for Detection at Risk of Organ Failure through Immune Rejection

- data are integrated from experimental data, clinical endpoints, public ontologies, LOD, etc
- statistical analysis is performed on the integrated data
- a visual interface to generate ASK SPARQL queries is provided
 - query patterns are stored
- for clinicians, a simple web-based alerting of “hits” is provided with statistical scores

Courtesy of Robert Stanley, et al, IO Informatics, USA, and UBC, Canada, ([SWEO Case Study](#))



Courtesy of Robert Stanley, et al, IO Informatics, USA, and UBC, Canada, ([SWEQ Case Study](#))

> IO Informatics & UBC

ASK SPARQL Arrays - Windows Internet Explorer

IO Informatics Sentient Suite
Welcome Administrator: Profile Logout

My Queries ASK Arrays Query Builder Custom SQL SPARQL Administration Migration

ASK Arrays

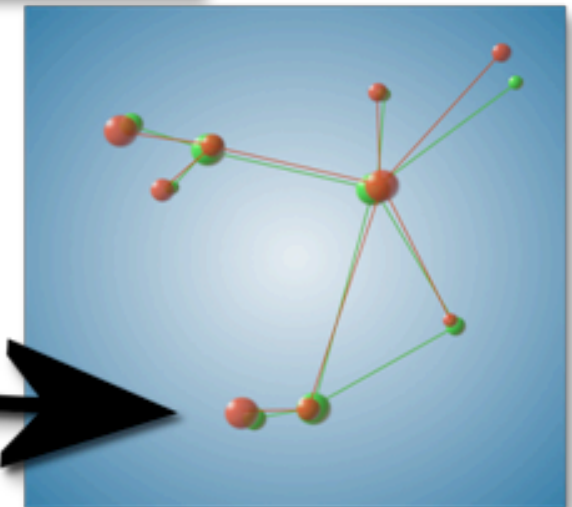
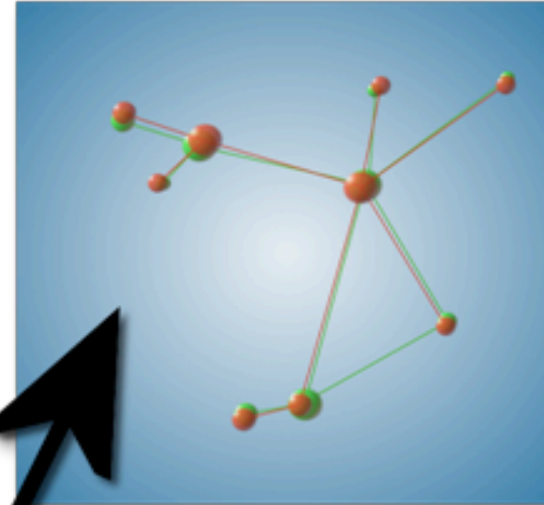
Choose Array: Organ failures Search

- A Acute Rejection, medium confidence [Gene BMs]
- B Acute Rejection, medium confidence [Protein BMs]
- C Acute Rejection, high confidence [Combinatorial BMs]
- D Acute Rejection, very tight range (ALL Combinatorial BMs)
- E Non Rejection, medium confidence [Protein BMs]
- F Non Rejection, medium confidence [5 Protein BMs, 1 Gene BM]
- G Acute Rejection, low confidence [Gene BMs]
- H Acute Rejection, uncertain [1 weak Gene BM]

Acute Rejection, high confidence [Combinatorial BMs] Open in Knowledge Explorer

| Controls Value | Value1 | Value2 | Value3 | Value4 | Protein_Value | Protein_Value1 | Protein_Value2 | Protein_Value3 | Score | |
|----------------|-------------|-------------|-------------|-------------|---------------|----------------|----------------|----------------|-----------|--------|
| AR2 | 4.922748721 | 4.743109483 | 3.96468382 | 4.02275853 | 5.829296888 | 1.534376 | 1.0509057 | 1.164798 | 0.9107218 | 0.0579 |
| AR5 | 5.150558709 | 4.716695571 | 3.373487898 | 5.368614783 | 5.983364312 | 1.725311 | 0.9254474 | 1.2732773 | 1.0197685 | 0.1586 |

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Courtesy of Robert Stanley, et al, IO Informatics, USA, and UBC, Canada, ([SWEQ Case Study](#))

Contextual Search for Volkswagen and the Automotive Industry

- annotate HTML content using relevant vocabularies in RDFa and transform existing product data into RDF
- reason over the merged data set
- query over the results using SPARQL queries
- provide a visual, faceted search over the products

Login | Sign up | 28 Book a test drive | Find a retailer | Order a brochure | Search

New cars | Used cars | Buying guide | Owners | Fleet | Technology | About us | Follow us | Feedback | Contact us





Search for:
Enter search term

Previous searches:
golf
touareg
bluemotion
passat
polo

Popular searches:
polo
golf
touareg
bluemotion
passat





▼ Models containing 'golf'

Showing 1 - 4 of 5

| | | | |
|---|---|--|---|
|  Golf From 15850.0 <input type="button" value="More info"/> <input type="button" value="Configure"/> |  Golf Plus From 17030.0 <input type="button" value="More info"/> <input type="button" value="Configure"/> |  Golf Estate From 17960.0 <input type="button" value="More info"/> <input type="button" value="Configure"/> |  New Golf Cabriolet From 20720.0 <input type="button" value="More info"/> <input type="button" value="Configure"/> |
|---|---|--|---|

▼ Trims containing 'golf'

Showing 1 - 4 of 15

| | | | |
|---|---|--|---|
|  Golf S From 15850.0 <input type="button" value="Which Model?"/> <input type="button" value="Configure"/> |  Golf Plus S From 17030.0 <input type="button" value="Which Model?"/> <input type="button" value="Configure"/> |  Golf Estate S From 17960.0 <input type="button" value="Which Model?"/> <input type="button" value="Configure"/> |  Golf Match From 18515.0 <input type="button" value="Which Model?"/> <input type="button" value="Configure"/> |
|---|---|--|---|

Pages containing 'golf'

Experience : Golf : Volkswagen UK

Ensures you can have performance as well as exceptional economy with low emissions.

[Next Previous Back Golf Common Rail TDI Engine](#) Ensures you can have performance as well

Golf : Volkswagen UK

View all Volkswagen [Golf](#) models. Compare the specifications, engines and pricing across the range

Enriching and sharing cultural heritage data in Europeana

- Europeana collects millions of cultural artifacts from museums, libraries, archives, etc, from all over Europe
- Rich metadata is available, but should be usable widely and make it available to everyone for new services
- A common data model has been defined,
- Metadata is also enriched, linking out to external datasets (Geonames, dbpedia, etc.) to enrich user experience



the Cittie of London 31

Creator: [Cartographer : Ryther, Augustus](#) | ▶

Date: [1633] ; 1633

Geographic coverage: 531500 , 181500 ; [London, City of London](#)

Type: [StillImage](#) | ▶ [Map](#) | ▶

Subject: [River Thames, London Bridge](#) | ▶ [London \(England\) — Maps](#) | ▶ 912 | ▶

Relation: [Crace Collection Of Maps Of London. Collect Britain](#)

Description: This map has been attributed to Augustus Ryther, an engraver who prospered between 1572 and 1592, contributing to Saxton's Atlas of 1579. This plan was produced to satisfy a European market, and contains certain inaccuracies which a native Londoner would not have tolerated. The streets appear very much wider than they were in actuality. Houses are depicted as having large gardens, when these had, [See more](#) ▶

Data provider: [The British Library](#) | ▶

Provider: [The European Library](#) | ▶ [United Kingdom](#) | ▶

Explore further!

Similar content



View item at
[The British Library](#)

Rights: Copyright © British Library Board

Identifier:
007000000000001U00031000 ;
Maps.Crace I

Format: 368 ; 464 ; Engraving ;
Millimetres ; jpeg



[Translate details](#) ▼

Select language

Powered by **Microsoft**® Translator

[Cite on Wikipedia](#)

[Auto-generated tags](#) ▼

[What](#) ▶

[When](#) ▶

[Where](#) ▼

Place Label: city of london

Place Term:

<http://sws.geonames.org/2643741/>

Geo Space: 51.51279 ; -0.09184 ;

[/record/92037](#)

[/25F9104787668C4B5148BE8E5AB8](#)