

}}} **eccenca:**

Semantic Enterprise Platform

Der lange weg zum Semantic Enterprise

06. Mai 2010

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- **In eigener Sache:**
Abgrenzung SMILA – eccenca
- **Die Vision:**
Semantic Web und Semantic Enterprise wachsen zusammen
- **Herausforderung „Semantic Mediation“:**
}}} eccenca schlägt Brücke zwischen alter und neuer Welt
- **Visionen müssen auf der Realität aufsetzen:**
Anwendungsbeispiel



Abgrenzung:
SMILA vs. eccenca

SMILA und eccenca

Was steckt dahinter



SMILA Projekt

- Attensity Group
- DFKI
- Aduna
- brox
- ...

Theseus Programm

- BMW
- DFKI
- Fraunhofer
- Siemens
- SAP
- Bertelsmann
- ...

SMILA
@eclipse.org
Released Q1 2009

 **eccenca**
@eccenca.com
Release 1.1 Q1 2010

eccenca Enterprise Edition

SMILA +

- Commercial Grade Components, Tools and Features
- Maintenance, Support, Training and Indemnification

eccenca Community Edition

Open Source

SMILA

www.eclipse.org/smila

Free, full featured
Enterprise License, limited
to 6 months of use

Das } } } eccenca Ökosystem: Bereits eine Realität



Powered by SMILA

Example of Add-In Providers

Example of Solution Partners

Goal=> Establish 50 partnerships by 2010



Semantic Web & Semantic Enterprise

Die Zukunft hat bereits
begonnen

Semantic Web: Ein Megatrend ist nicht aufzuhalten!

10 Mio Objekte

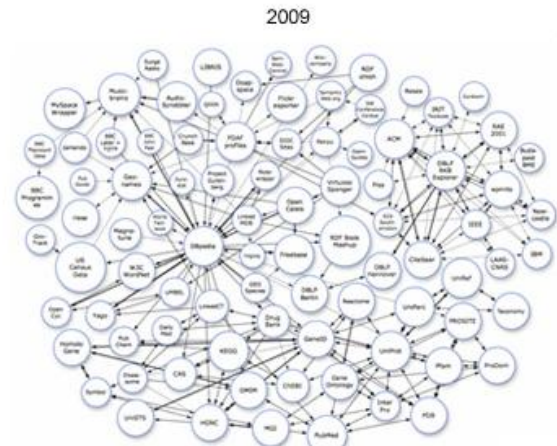
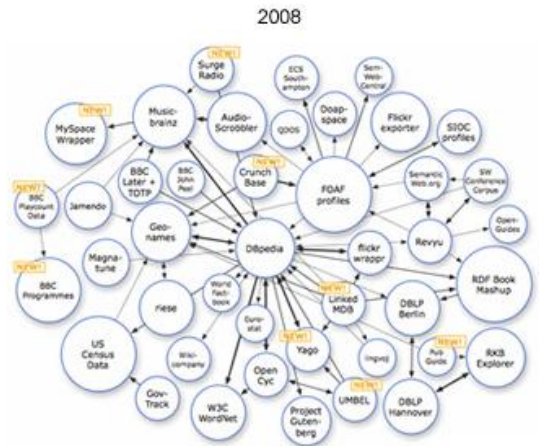
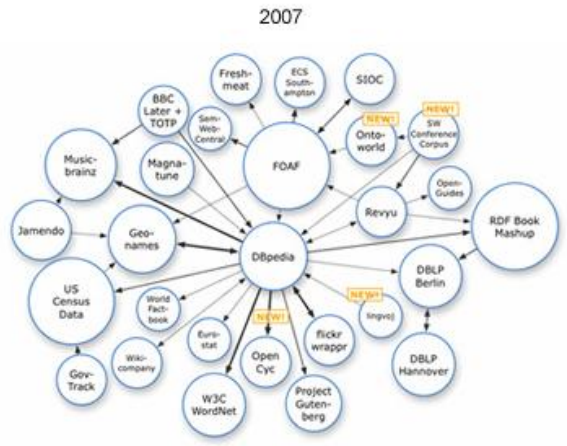
- WWW Forschung
- Test Daten
- 'Fun Stuff'

500 Mio Objekte

- Web 2.0
- Consumer
- Research Data

3-5 Mrd. Objekte

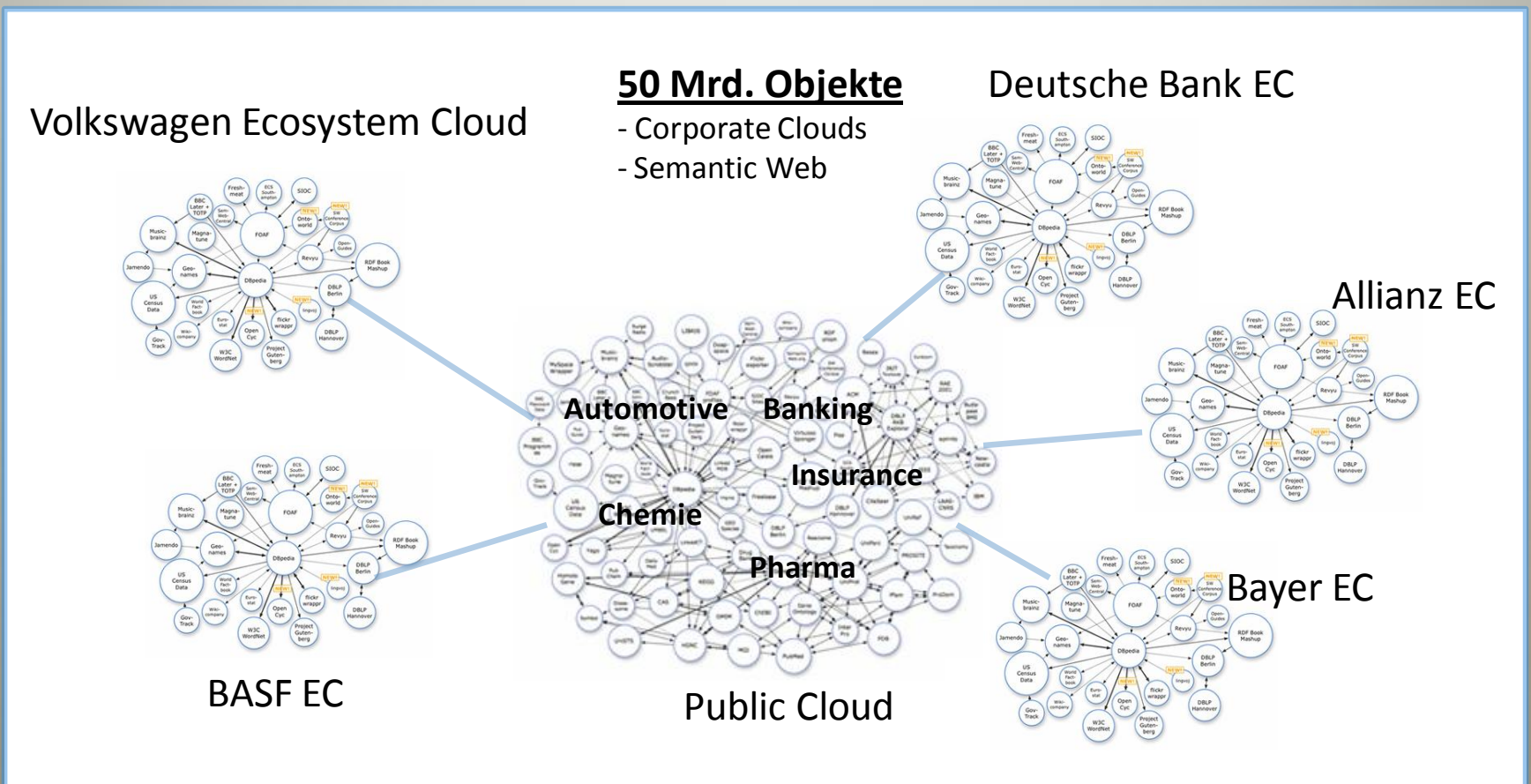
- DB Pedia
- B2B Shared Research
- 'Commercial Stuff'



Wachstum der 'Public' Linked Object Data Cloud

Unternehmen können bereits profitieren!?

Corporate Ecosystem Linked Data Clouds (EC-LOD) ermöglichen kurzfristige Produktivitätssprünge durch Informations- und Prozessautomatisierung





Brückenschlag zwischen
Vision und Wirklichkeit

Eccenca Plattform bietet Informationslogistik für alle...

} present



Documentation

Automotive

RFID

Research & Development

Life Science

Use Cases

Knowledge Management

Procurement

Archiving

Quality Assurance

Insurance Content Management

Retail

Supply Chain

eGovernment

CRM

eDiscovery

} } } eccenca semantic mediation

↑ integration - **transformation** - interpretation ↓

} store



Knowledge
Base

Patent
Library

Archive

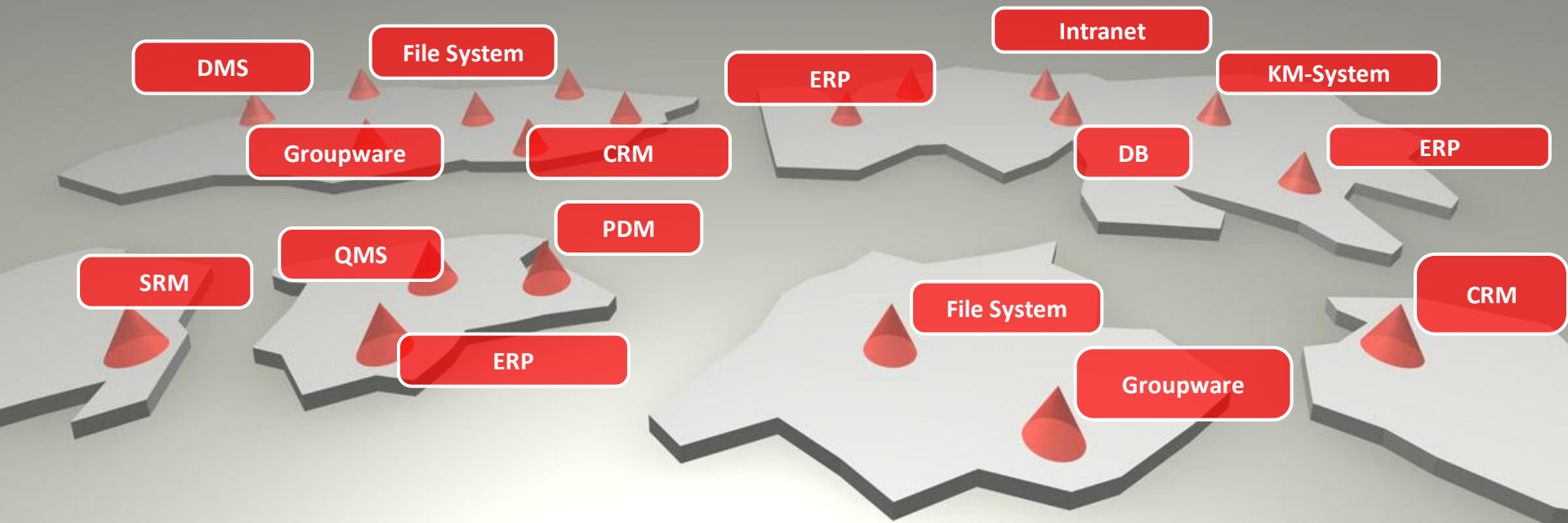
Document
Management
System

...

Brückenschlag: „Integration“



„Unlock“
Legacy Information Sources



Brückenschlag: „Integration“

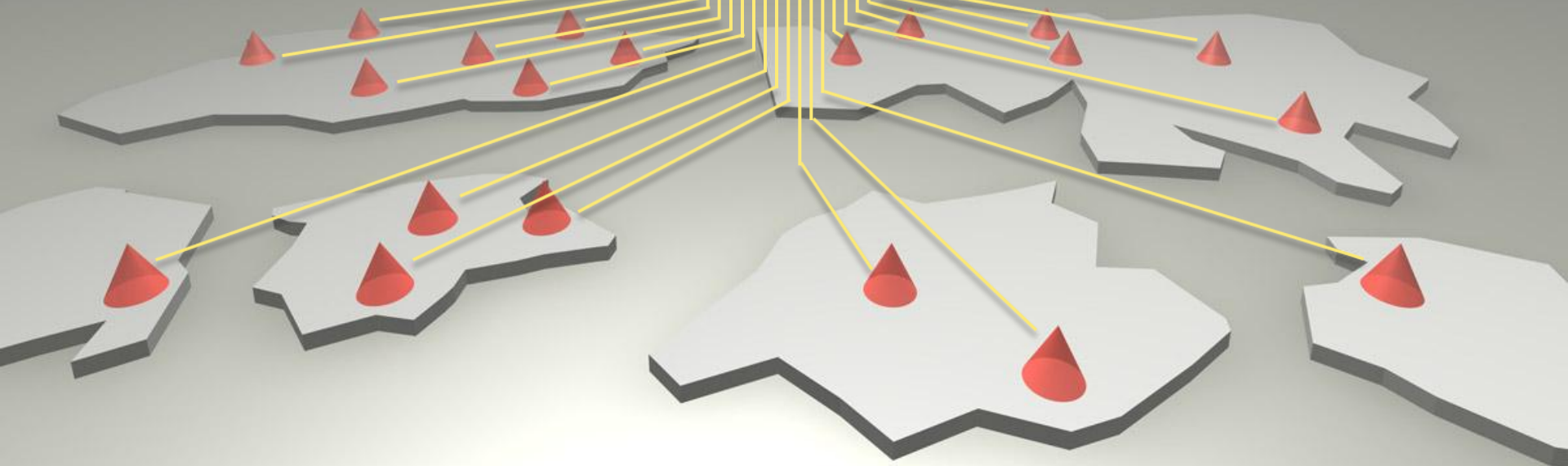


Powered by SMILA

Bereitstellung eines offenen Architekturstandards zur Erschließung von Datenquellen im Rahmen der Eclipse Foundation



I. Integration (UTF8)



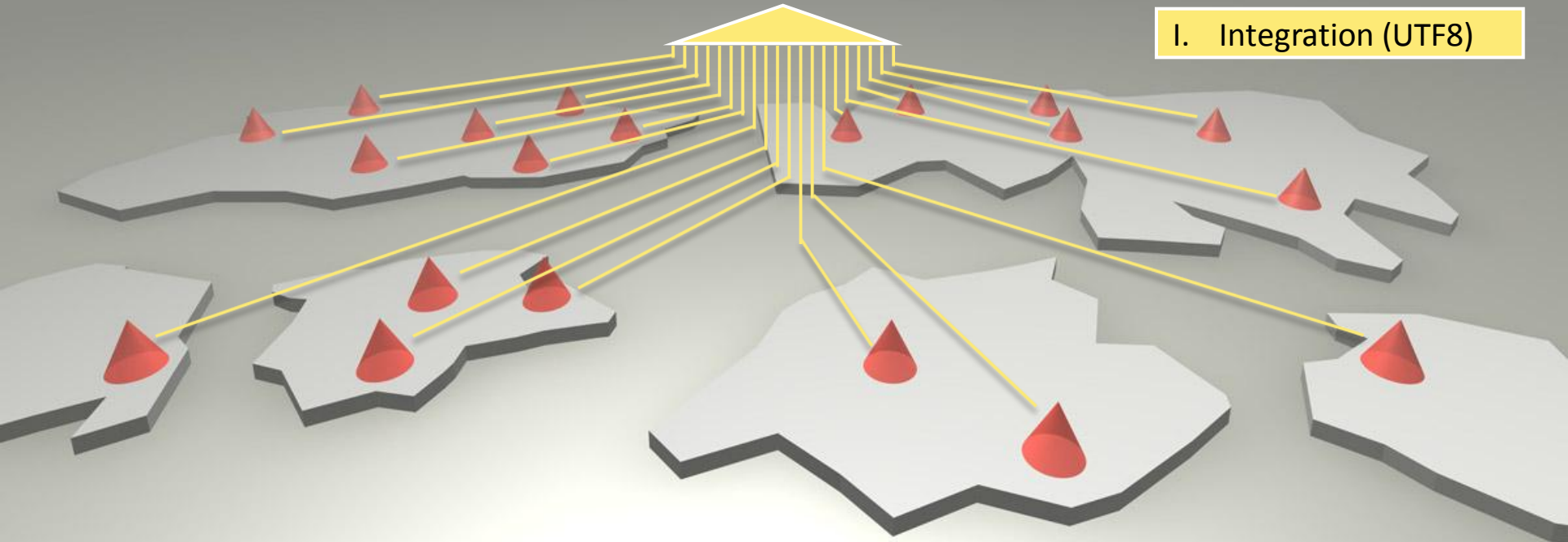
Brückenschlag: „Transformation“

Weltweit führendes und etabliertes Eclipse Komponentenmodell OSGI als Basis für Text Analytics Ökosystem



II. Transformation

I. Integration (UTF8)



Brückenschlag: „Interpretation“



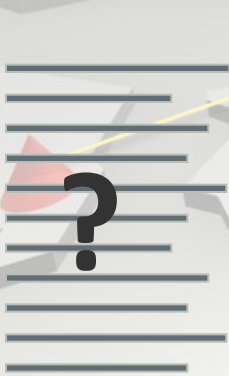
Powered by SMILA

Nutzung semantischer Technologie um Informationszusammenhänge transparent zu machen



- III. Interpretation (RDF)
- II. Transformation
- I. Integration

Vorteile der Nutzung der auf Eclipse basierenden Informationslogistik:



Turn your data into meaningful and actionable Reports

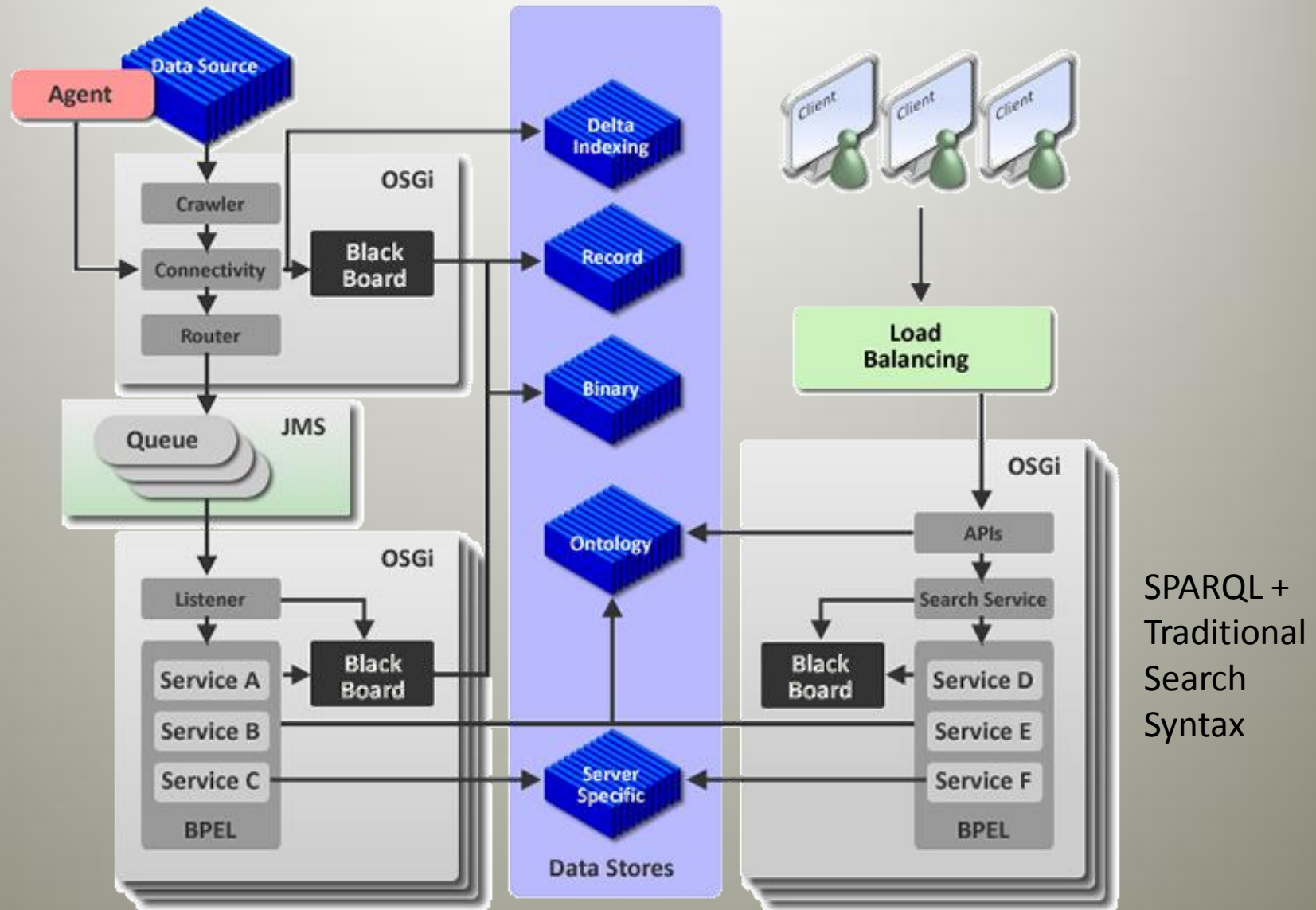
Art.#
EUR
Descr.
Data

Vorteile

- Anbieter Unabhängigkeit
- Langlebigkeit der Investition
- Riesiges globales Partner- Netzwerk
 - Hohe Innovationsgeschwindigkeit
 - Netzwerk-Effekte
 - Minimierte TCO

→ Informationen aussagekräftig präsentieren

SMILA Referenzarchitektur



Referenzimplementierung: Volkswagen Konzern-Beschaffung

**Pilotkunde VW
seit 2009 LIVE**



Frontend Integration Pack

SEARCH

BPEL Query Manager

SEARCH

BPEL Query Manager
User Rights Manager
BPEL Data Processing

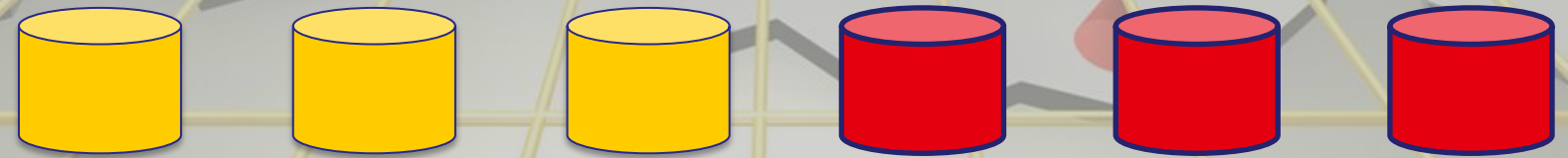
Search Index

Structured Knowledge Models: Ontology's, Thesauri, Taxonomies

Text Analytics

Fail Over / Disaster Recovery

Agents & Crawlers



Unstructured Data

Structured Data



Anwendungsbeispiel

eccenca Discoverer als ideales Frontend am Arbeitsplatz



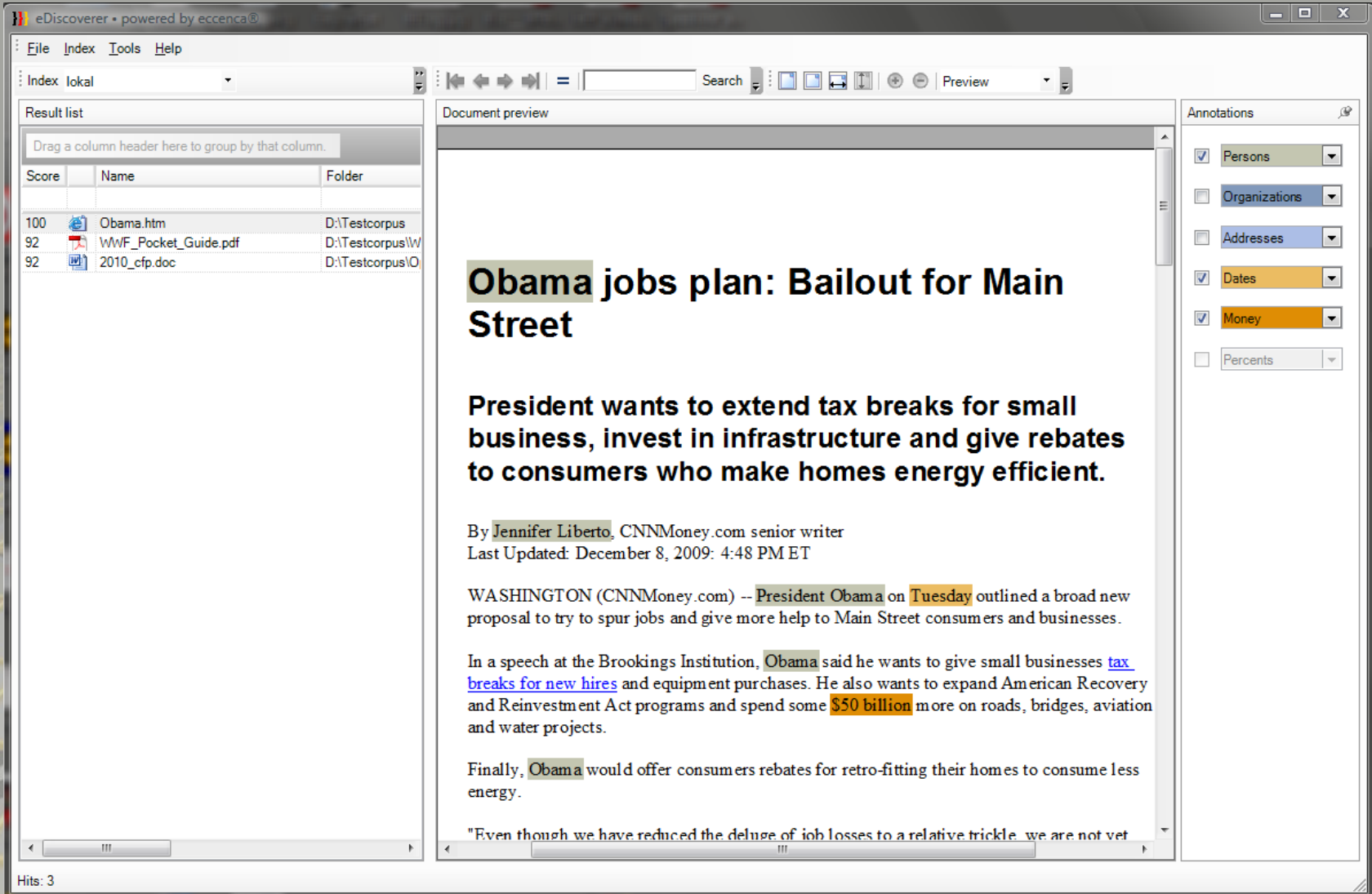
Powered by SMILA

The screenshot displays the eccenca Discoverer application window. The interface is divided into several sections:

- File Index Tools Help**: The top menu bar.
- Index MacBookAir HCB**: A dropdown menu for the current index.
- Search**: A search bar containing the term "eccenca" and a "Get next" button.
- Result list**: A table displaying search results. The table has columns for Score, Name, Folder, Date, and Title. The selected row is "Anderung des Präsentationseinstiegs" with a score of 100 and a date of 13.01.2009.
- Document preview**: A preview of the selected document, showing a slide with the text "Was macht brox mit eccenca?" and the eccenca logo. Below the slide is a search bar with the text "[Andere suchen]" and a "Search" button.
- Hits: 171**: A status bar at the bottom left.

Score	Name	Folder	Date	Title
100	Business Plan 2009 02.docx	\\han-hb-dc-0...	24.09.2009	Business..
100	Support Definitionen eccenca.xlsx	C:\Users\hchr...	23.09.2009	
100	Eccenca Support Pricing v01.pdf	\\han-hb-dc-0...	19.03.2009	
100	Topline und Gewinnplanung brox ecc...	\\han-hb-dc-0...	17.09.2009	
100	Anderung des Präsentationseinstiegs.	\\han-hb-dc-0...	13.01.2009	Vorstellun
100	Eclipse Summit Europe SMILA Proje...	\\han-hb-dc-0...	17.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_V06...	\\han-hb-dc-0...	13.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_fuer...	\\han-hb-dc-0...	28.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_ende...	\\han-hb-dc-0...	20.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_bei...	\\han-hb-dc-0...	20.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_bei...	\\han-hb-dc-0...	13.11.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_bei...	\\han-hb-dc-0...	10.12.2008	Vorstellun
100	2008Nov_Vorstellung_eccenca_bei...	\\han-hb-dc-0...	02.12.2008	Vorstellun
100	20081209_brox_eccenca_V18.pptx	\\han-hb-dc-0...	31.01.2009	Folie 1
100	}}} eccenca website 0.03.docx	\\han-hb-dc-0...	19.03.2009	
100	Eclipse Summit Europe SMILA Proje...	C:\Users\hchr...	20.05.2009	Vorstellun
100	eccenca and eccenca.com eco-syste...	C:\Users\hchr...	29.06.2009	Vorstellun
100	Business-Plan eccenca V03.pptx	C:\Users\hchr...	26.08.2009	Business-
100	Business-Plan eccenca V02.pptx	C:\Users\hchr...	19.03.2009	Business-
100	Business-Plan eccenca V01.pptx	C:\Users\hchr...	22.07.2009	Business-
100	20090417_brox_eccenca_V fuer Leo...	C:\Users\hchr...	17.03.2009	Webmonit
100	20081209_brox_eccenca_V18 fuer L...	C:\Users\hchr...	12.01.2009	Folie 1

Informationsdrehscheibe: Objekterkennung beschleunigt Prozesse



The screenshot displays the eDiscoverer application interface, which is powered by eccenca. The window title is "eDiscoverer • powered by eccenca®". The interface is divided into several sections:

- File Index Tools Help**: A menu bar at the top.
- Index lokal**: A dropdown menu for the current index.
- Search**: A search bar with a search button and a "Preview" dropdown.
- Result list**: A table showing search results. The table has columns for "Score", "Name", and "Folder".
- Document preview**: A large central area displaying the content of the selected document.
- Annotations**: A sidebar on the right with a list of categories and checkboxes for filtering annotations.

Result list table:

Score	Name	Folder
100	Obama.htm	D:\Testcorpus
92	WWF_Pocket_Guide.pdf	D:\Testcorpus\W
92	2010_cfp.doc	D:\Testcorpus\O

Document preview content:

Obama jobs plan: Bailout for Main Street

President wants to extend tax breaks for small business, invest in infrastructure and give rebates to consumers who make homes energy efficient.

By **Jennifer Liberto**, CNNMoney.com senior writer
Last Updated: December 8, 2009: 4:48 PM ET

WASHINGTON (CNNMoney.com) -- **President Obama** on **Tuesday** outlined a broad new proposal to try to spur jobs and give more help to Main Street consumers and businesses.

In a speech at the Brookings Institution, **Obama** said he wants to give small businesses [tax breaks for new hires](#) and equipment purchases. He also wants to expand American Recovery and Reinvestment Act programs and spend some **\$50 billion** more on roads, bridges, aviation and water projects.

Finally, **Obama** would offer consumers rebates for retro-fitting their homes to consume less energy.

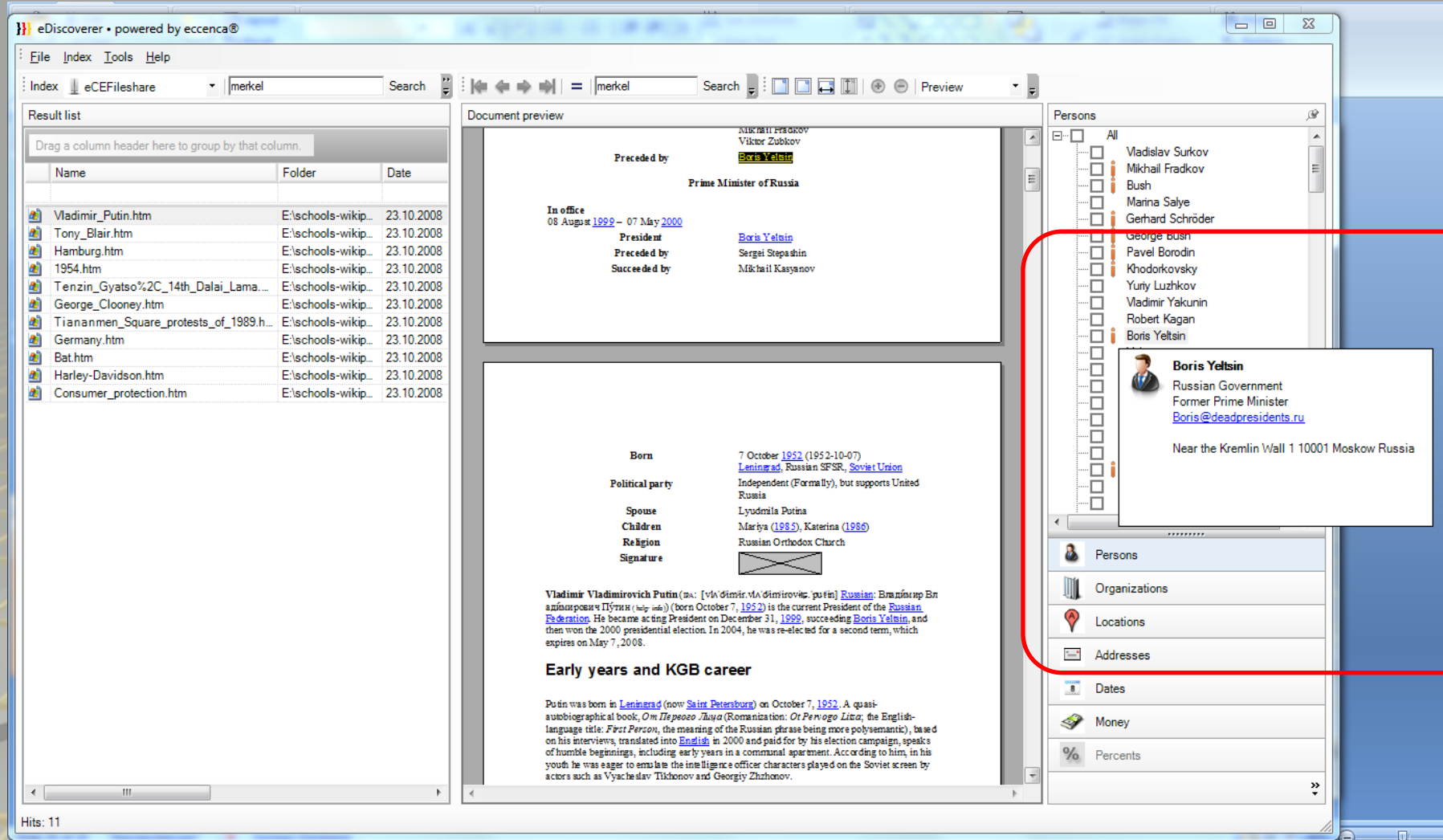
"Even though we have reduced the deluge of job losses to a relative trickle, we are not yet

Annotations sidebar:

- Persons
- Organizations
- Addresses
- Dates
- Money
- Percents

Footer: Hits: 3

Informationsdrehscheibe: Liefert Hintergrundinformationen zu Objekten



The screenshot shows the eDiscoverer application interface. The top menu includes File, Index, Tools, and Help. The search bar contains the term 'merkel'. The left pane displays a 'Result list' with columns for Name, Folder, and Date, listing various HTML files. The main pane shows a 'Document preview' for a document about Boris Yeltsin, including his role as Prime Minister of Russia and President, along with biographical details like birth date and political party. The right pane shows a 'Persons' list with a pop-up card for Boris Yeltsin, detailing his position as Russian Government Former Prime Minister and his address near the Kremlin Wall in Moscow.

Name	Folder	Date
Vladimir_Putin.htm	E:\schools-wikip...	23.10.2008
Tony_Blair.htm	E:\schools-wikip...	23.10.2008
Hamburg.htm	E:\schools-wikip...	23.10.2008
1954.htm	E:\schools-wikip...	23.10.2008
Tenzin_Gyatso%2C_14th_Dalai_Lama...	E:\schools-wikip...	23.10.2008
George_Clooney.htm	E:\schools-wikip...	23.10.2008
Tiananmen_Square_protests_of_1989.h...	E:\schools-wikip...	23.10.2008
Germany.htm	E:\schools-wikip...	23.10.2008
Bat.htm	E:\schools-wikip...	23.10.2008
Harley-Davidson.htm	E:\schools-wikip...	23.10.2008
Consumer_protection.htm	E:\schools-wikip...	23.10.2008

Document preview:
Viktor Zubkov
Preceded by **Boris Yeltsin**
Prime Minister of Russia
In office 08 August 1999 – 07 May 2000
President **Boris Yeltsin**
Preceded by Sergei Stepashin
Succeeded by Mikhail Kasayan

Biographical details:
Born 7 October 1952 (1952-10-07)
Political party Independent (Formally), but supports United Russia
Spouse Lyudmila Putina
Children Mariya (1985), Katerina (1986)
Religion Russian Orthodox Church
Signature [Image]

Vladimir Vladimirovich Putin (Russian: Влади́мир Влади́мирович Пу́тин) (born October 7, 1952) is the current President of the Russian Federation. He became acting President on December 31, 1999, succeeding Boris Yeltsin, and then won the 2000 presidential election. In 2004, he was re-elected for a second term, which expires on May 7, 2008.

Early years and KGB career
Putin was born in Leningrad (now Saint Petersburg) on October 7, 1952. A quasi-autobiographical book, *От Первого Лица* (Romanization: *От Первого Лица*; the English-language title: *First Person*, the meaning of the Russian phrase being more polysemantic), based on his interviews, translated into English in 2000 and paid for by his election campaign, speaks of humble beginnings, including early years in a communal apartment. According to him, in his youth he was eager to emulate the intelligence officer characters played on the Soviet screen by actors such as Vyacheslav Tikhonov and Georgiy Zhzhonov.

Persons list:
Vladislav Surkov
Mikhail Fradkov
Bush
Manna Salye
Gerhard Schröder
George Bush
Pavel Borodin
Khodorkovsky
Yuriy Luzhkov
Vladimir Yakunin
Robert Kagan
Boris Yeltsin

Boris Yeltsin
Russian Government
Former Prime Minister
Boris@deadpresidents.ru
Near the Kremlin Wall 1 10001 Moscow Russia

Credits:



Powered by SMILA

SMILA Projekt:

Semantic Information Logistics Architecture

Active Committers from:

* Attensity Group

* DFKI

* ADUNA

* brox IT-Solutions

Projekt Site:

www.eclipse.org/smila

}} eccenca:

Website:

www.eccenca.com

Blog:

blogs.eccenca.com

Support:

support.eccenca.com

Marktplatz:

marketplace.eccenca.com

Brox IT-Solutions ist Initiator und Lead-Entwickler des SMILA Projekts. Unter dem Namen „}} eccenca“ bietet brox Unternehmen professionelle Dienste wie Wartung und Support sowie Consulting Services, die die Nutzung von SMILA vereinfachen und den Nutzen zu maximieren helfen.

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