



From Discovery to Delivery

Mainstream applications of semantic content enrichment in the Enterprise

Daniel Mayer

VP, Corporate Marketing

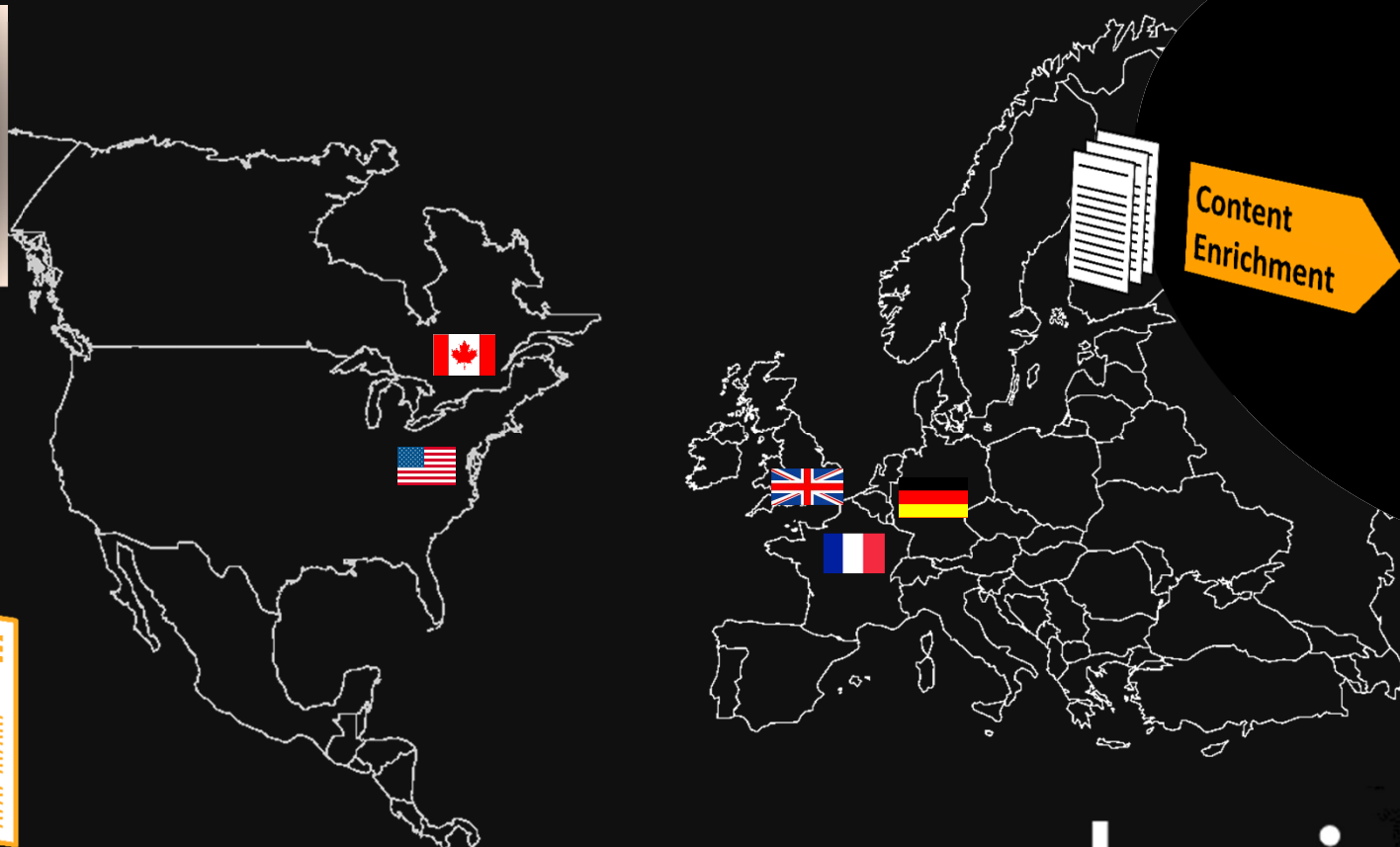
daniel.mayer@temis.com

Agenda

- ❖ Corporate Overview
- ❖ Semantic Content Enrichment in brief
- ❖ Value Proposition & Use Cases
- ❖ Luxid® for ECM
- ❖ Conclusion

TEMIS

A pioneer in Content Enrichment since 2000



26 patents



Key References

Life Sciences



Industry & Government

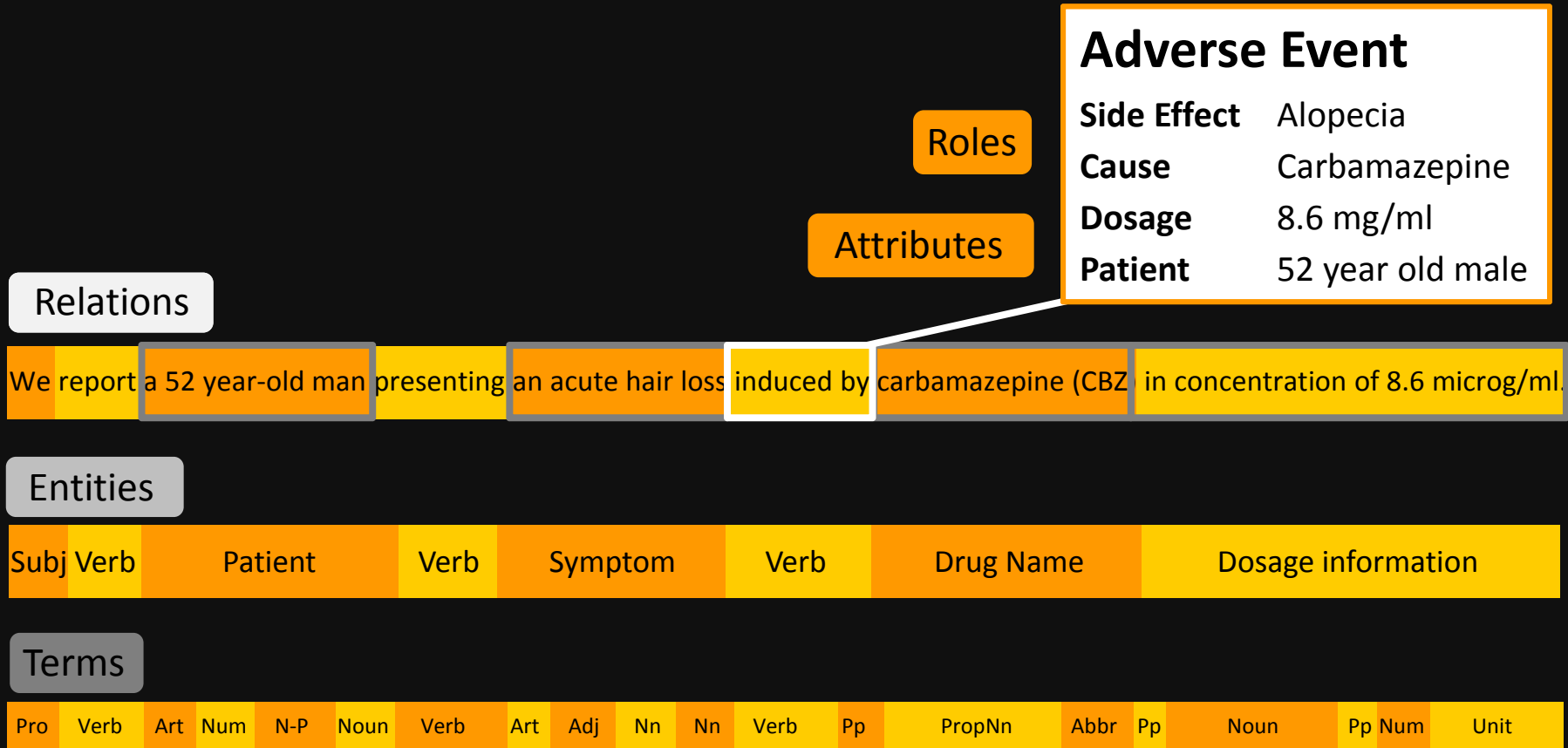


Publishing



What Is Semantic Content Enrichment?

Automated extraction of information



We report a 52 year-old man presenting an acute hair loss induced by carbamazepine (CBZ) in concentration of 8.6 microg/ml.

What Is Semantic Content Enrichment?

Annotation with domain-specific metadata

A case of hair loss induced by carbamazepine

Kohno Y, Ishii A, Shoji S, Department of Clinical Neurology, Tsukuba University.

We report a 52 year-old man presenting with an acute considerable hair loss induced by carbamazepine (CBZ). The remarkable scalp hair loss started within a week after CBZ administration. There was no evidence of dermatitis or allergic reaction, or other cause for the hair loss. The serum concentration of CBZ was 8.6 microg/ml therapeutic range 8-12 microg/ml). CBZ was discontinued, and the hair loss stopped within several days with new hair growth.

Medication-induced hair loss is an occasional adverse effect of many drugs used for neuropsychological diseases. CBZ also induces hair loss and its frequency was reported below 2%. Only a limited number of detailed case reports describing CBZ-induced hair loss were available, and we found these cases could divide into two groups with regard to a delay in starting hair loss after administration of CBZ. In one group, the hair loss started within a week suggesting anagen effluvium and in another it started after two or three months suggesting telogen effluvium. This finding suggests the causative mechanism of CBZ-induced hair loss is not unitary.

Symptoms

Alopecia Dermatitis Allergic reaction
Anagen effluvium Telogen effluvium

Diseases

Neuropsychological diseases

Drugs

Carbamazepine CBZ

Dosage information

8.6 microg./ml 8-12 microg./ml

Patient information

52 year old man

People

Kohno Y Ishii A Shoji S

Organizations

Dept of Clinical Neurology, Tsukuba University

Side-effect Relationships

Drug-induced alopecia

What Is Semantic Content Enrichment?

Knowledge insertion

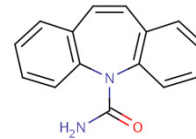
A case of hair loss induced by carbamazepine

Kohno Y, Ishii A, Shoji S, Department of Neurology, Tsukuba University.

We report a 52-year-old man presenting with considerable hair loss induced by carbamazepine. Remarkable scalp hair loss started within 2 weeks of administration. There was no evidence of allergic reaction, or other cause for the hair loss. The concentration of CBZ was 8.6 mg/ml (therapeutic range 12 micromol/ml). CBZ was discontinued within several days.

Medication-induced hair loss is an off-target effect of many drugs used for neuropsychological disorders. Carbamazepine induces hair loss and its frequency was reported below 2%. Only a limited number of detailed case reports describing carbamazepine-induced hair loss were available, and we found these cases could divide into two groups with regard to a delay in starting hair loss after administration of carbamazepine. In one group, the hair loss started within a week suggesting anagen effluvium and in another it started after two or three months suggesting telogen effluvium. This finding suggests the causative mechanism of carbamazepine-induced hair loss is not unitary.

Carbamazepine



Accession Number
DB00564 (APRD00337)

Indication

For the treatment of epilepsy and pain associated with true trigeminal neuralgia.

Pharmacodynamics

Carbamazepine, an anticonvulsant structurally similar to tricyclic antidepressants, is used to treat partial seizures, tonic-clonic seizures, pain of neurologic origin such as trigeminal neuralgia, and psychiatric disorders including manic-depressive illness

Toxicity Mild ingestions cause vomiting, drowsiness, ataxia, slurred speech, nystagmus, dystonic reactions, and hallucinations. Severe intoxications may produce

Dosage forms

Suspension	Oral	
Tablet	Oral	[...]

Brand names

Apo-Carbamazepine
Atretol
Biston
Calepsin

[...]

[...]

[...]

DrugBank

Knowledge

Authoritative

Proprietary

Commercial or Open Source

In a Larger Sense Adding value to content

Annotation

Raw Document

We report a 52 year-old man presenting with an acute considerable hair loss induced by carbamazepine (CBZ).

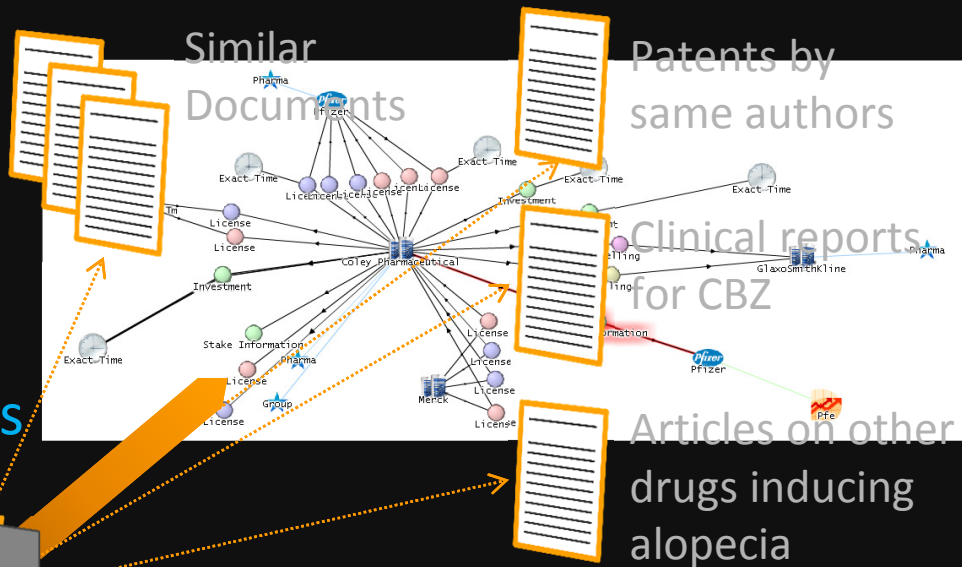
We report a 52 year-old man presenting with an acute considerable hair loss induced by carbamazepine (CBZ).

We report a 52 year-old man presenting with an acute considerable hair loss induced by carbamazepine (CBZ).

Knowledge Insertion

Linking

Analytics



At Corpus Level Content Analytics

luxid Overview Dashboards Search Discoveries Knowledge Browser

Welcome temis | Profile | Log out | Help | About

Quick Search...

Alerting | Shared dashboards | My shared dashboards | 0 doc

Last update date: 16 Mar 2010
Force update

HTC iPhone Samsung

Sentiment related to Operating Systems

97 relationships 5 new relationships since... Filter: ...Android

Relationship Sentiment (containing Operating System) , and (containing Sentiment) in Search containing HTC , containing Sentiment (Select all | Clear all)

Android (Android)

25 relationships / 22 docs

Sentiment

- That actually isn't bad for Android considering there is a single device on the smallest of the four major wireless carriers with a very limited 3G data network.
- A ton of new devices came shooting across my desk and I never had the chance to finish my review of this excellent GPS navigation solution, although I did use it successfully for a couple of road trips and found it to be an excellent solution on the Android platform.
- But your average Android phone is stuck in the single-touch world, which is just sinful when compared to the multitouch iPhone or Pre.
- Until then, just try to forget that Android lacks multitouch. [CNET]

Sentences with sentiment mentioning HTC devices and features

160/652 docs 28 new docs since... Sort by: Nb documents Filter: ...HTC

Filtered on /Entity/Device/HTC/G1
Found 1 concept and 82 sentences in 63 docs (Select all | Clear all)

G1 (HTC)

- Screenshot Tour: Taking Android's "Cupcake" 1.5 Update For An Early Spin - 27 Jan 2009
 - The G1's hardware battery may be partly to blame, but one of the reasons the G1 usually can't make it through a whole day without re-juicing is that the data connection is constantly active for email and contacts sync as well as push updates and whatever else you may be doing.
- Exchange support provided on the Google Android G1 via TouchDown - 09 Jan 2009
 - A coworker visited my desk today and said she picked up the G1 and loves it so far, but wondered how she could get her work email on the device.
- One week with my Palm Pre-cious reveals the good and bad - 12 Jun 2009
 - I also really like my T-Mobile G1 and think the G1 is better than the Pre in terms of functionality, but the Pre has a slicker UI more along the lines of the iPhone.
 - The battery life is a bit limited and with heavy usage I can go a half day, just like my T-Mobile G1.
- LG Eve review: Comment 31 - 01 Jan 2010
 - There's still a high demand for Android phones WITH A KEYBOARD, but so far Motorola (Droid is an excellent phone, but unusable keyboard), HTC (G1 is clumsy and outdated) and LG fail to deliver.
- Hey HTC, where is your new QWERTY Google Android device? - 30 Oct 2009
 - HTC has had years of experience with QWERTY keyboards and I think they did a good job with the G1 and an excellent job with the T-Mobile Touch Pro2 keyboards.

Negative sentiment around HTC devices

25 relationships 1 new relationship since...

Relationship Sentiment (containing HTC) , and (containing Negative) in Search containing HTC , containing Sentiment G1 - Touch - Touch Pro 2 - no htc - Touch - Touch HD 2 - Here - Sense - sucks - disappointed

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Entry (29/29)

Relationship (21/21)

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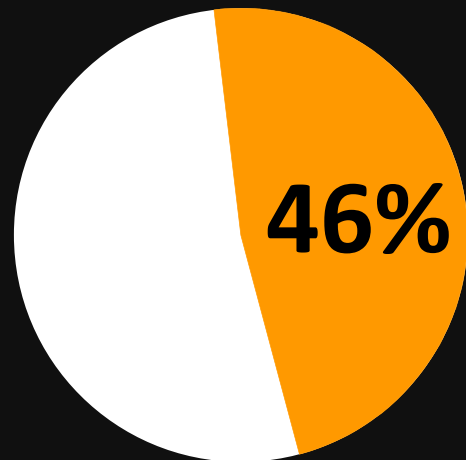
Proof

Time Analysis: Positive and negative sentiment in posts mentioning HTC devices

652 docs Column 2D Monthly Absolute percentage Nb occurrences Period: May 09 - May 12

Month	Negative	Positive
May 09	0.87%	2.36%
Jun 09	1.69%	3.79%
Jul 09	1.14%	2.46%
Aug 09	1.92%	2.97%
Sep 09	0.81%	1.44%
Oct 09	1.10%	2.76%
Nov 09	1.58%	3.78%
Dec 09	1.34%	1.33%
Jan 10	1.46%	1.53%
Feb 10	0.85%	2.40%

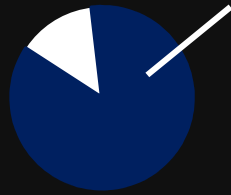
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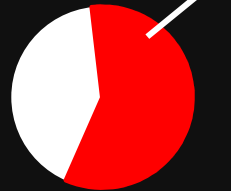
Publishers
of Scientific Journals

*Source : 2011 study on Journal Article Mining
by the Publishing Research Consortium*



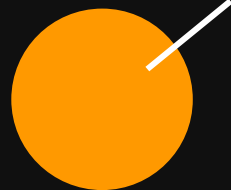
82% to make content more compelling

- Improved Search & Navigation
- Semantic Linking to related content & knowledge
- Visual Analytics



57% to create new products & services

- Knowledge Bases
- Topic Pages
- Contextual Advertising



100% for productivity gains and workflow flexibility

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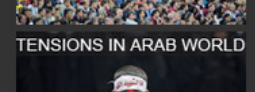
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 - Chapters from separate books are available on an individual basis


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uniprot:Q07955

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Only genes with antibodies

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Found **1** genes for 'uniprot:Q07955' with antibodies

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#	GENE NAME	FAMILY	PROVIDER	ANTIBODY	REFS	ANTIBODY TYPE	WB	EL	IF	IP
1.	SRSF1 Synonyms: ASF, FLJ53078, MGC5228, SF2, SF2p33, SFRS1, SRp30a Description: serine/arginine-rich splicing factor 1	Mb	LifeSpan BioSciences, Inc. [5] Show All ▶	LS-B2340		Monoclonal	●		●	●
				LS-B3263		Monoclonal	●		●	
			Novus Biologicals [3] Show All ▶	H00006426-B01		Polyclonal	●	●		
				NBP1-19093		Polyclonal	●			●
			Proteintech Group [1]	12929-2-AP		Polyclonal	●	●		
			Sigma-Aldrich [3] Show All ▶	AV40691		Polyclonal				
				AV40692		Polyclonal				
			GenWay [2]	18-003-44211		Polyclonal	●			



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Semantic Content Enrichment

Benefits for Information Access

- ❖ Makes highly relevant content highly findable
 - Improves precision and recall of search engines
 - Highlights most relevant content
- ❖ Facilitates exploration
 - Powers facets
 - Provides navigational cues
- ❖ Boosts insight
 - Provides context by linking to related documents and knowledge
 - Provides perspective by enabling analytics
- ❖ Enables **proactive delivery** in the workflow
 - Complements *dedicated interfaces & explicit search*
 - At the heart of *end-user applications & CMS*

Proactive Delivery in the Workflow

Targeted information when you need it

2011-01-12 Experiment report - Microsoft Word

Accueil Insertion Mise en page Références Publipostage Révision Affichage

Couper Copier Coller Reproduire la mise en forme Presse-papiers

Arial 9 Police

¶ Normal ¶ Sans int... Titre 1 Titre 2 Titre Sous-titre Emphase ...

Rechercher Remplacer Sélectionner Modification

Goal: We evaluated the prevalence and factors associated with polypharmacy and investigated the role of polypharmacy as a predictor of length of hospital stay and in-hospital mortality. [link to the study](#)

METHODS: Thirty-eight internal medicine wards in Italy participated in the **Registro Politerapie SIMI (REPOS)** study during 2008. One thousand three hundred and thirty-two in-patients aged ≥ 65 years were enrolled. Polypharmacy was defined as the concomitant use of five or more medications. Linear regression analyses were used to evaluate predictors of length of hospital stay and logistic regression models for predictors of in-hospital mortality. Age, sex, Charlson comorbidity index, polypharmacy, and number of in-hospital clinical adverse events (AEs) were used as possible confounders.

RESULTS: The prevalence of polypharmacy was 51.9% at hospital admission and 67.0% at discharge. Age, number of drugs at admission, hypertension, ischemic heart disease, heart failure, and chronic obstructive pulmonary disease were independently associated with polypharmacy at discharge. In multivariate analysis, the occurrence of at least one AE while in hospital was the only predictor of prolonged hospitalization (each new AE prolonged hospital stay by 3.57 days, $p < 0.0001$). Age [odds ratio (OR) 1.04; 95% confidence interval (CI) 1.01-1.08; $p = 0.02$], comorbidities (OR 1.18; 95% CI 1.12-1.24; $p < 0.0001$), and AEs (OR 6.80; 95% CI 3.58-12.9; $p < 0.0001$) were significantly associated with in-hospital mortality.

CONCLUSIONS: Although most elderly in-patients receive polypharmacy, in this study, it was not associated with any hospital outcome. However, AEs were strongly correlated with a longer hospital stay and higher mortality risk.

Related Documents

- In-hospital death according to dementia diagnosis in ac [Int J Geriatr Psychiatry. 2010]
- Polypharmacy in elderly hospitalised patients in Slovakia. [Pharm World Sci. 2008]
- Prescribing patterns and predictors of high-level polypharmacy [Am J Geriatr Pharmacother. 2010]
- Potentially inappropriate medication use in elderly patients: a study [J Postgrad Med. 2010]
- Underuse of indicated medications among physically fit [Am J Geriatr Pharmacother. 2009]

Related Structures

Correlation graphs

Semantic Content Enrichment

How can it be deployed by the Enterprise ?

- ❖ ECMs value metadata ...
 - Most recent ECMs offer metadata management mechanisms

Semantic Content Enrichment

How can it be deployed by the Enterprise ?

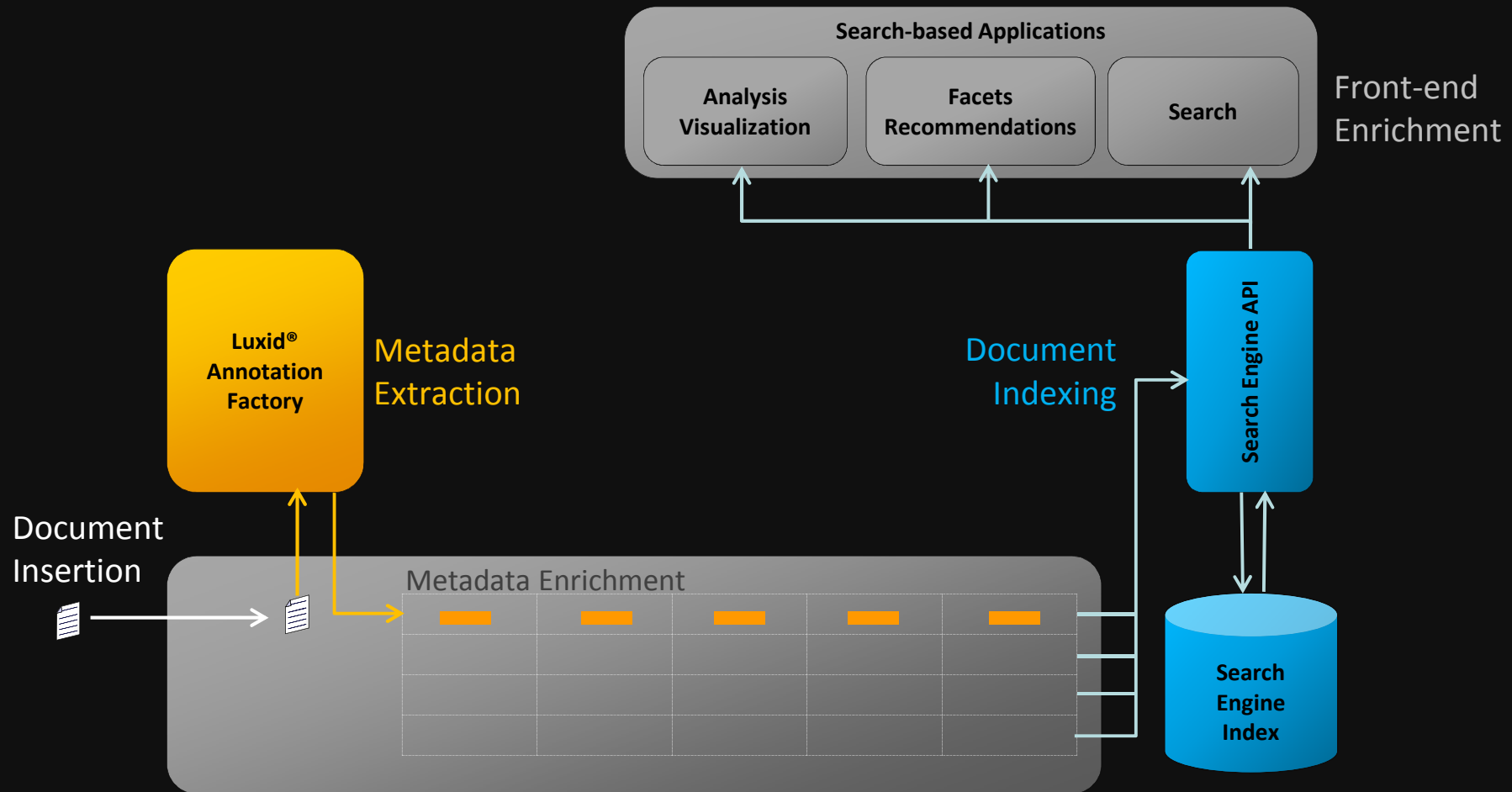
- ❖ ECMs value metadata ...
- ❖ ... but metadata must be contributed **manually** which is inefficient
 - Time Consuming
 - Shallow
 - Inconsistent

Semantic Content Enrichment

How can it be deployed by the Enterprise ?

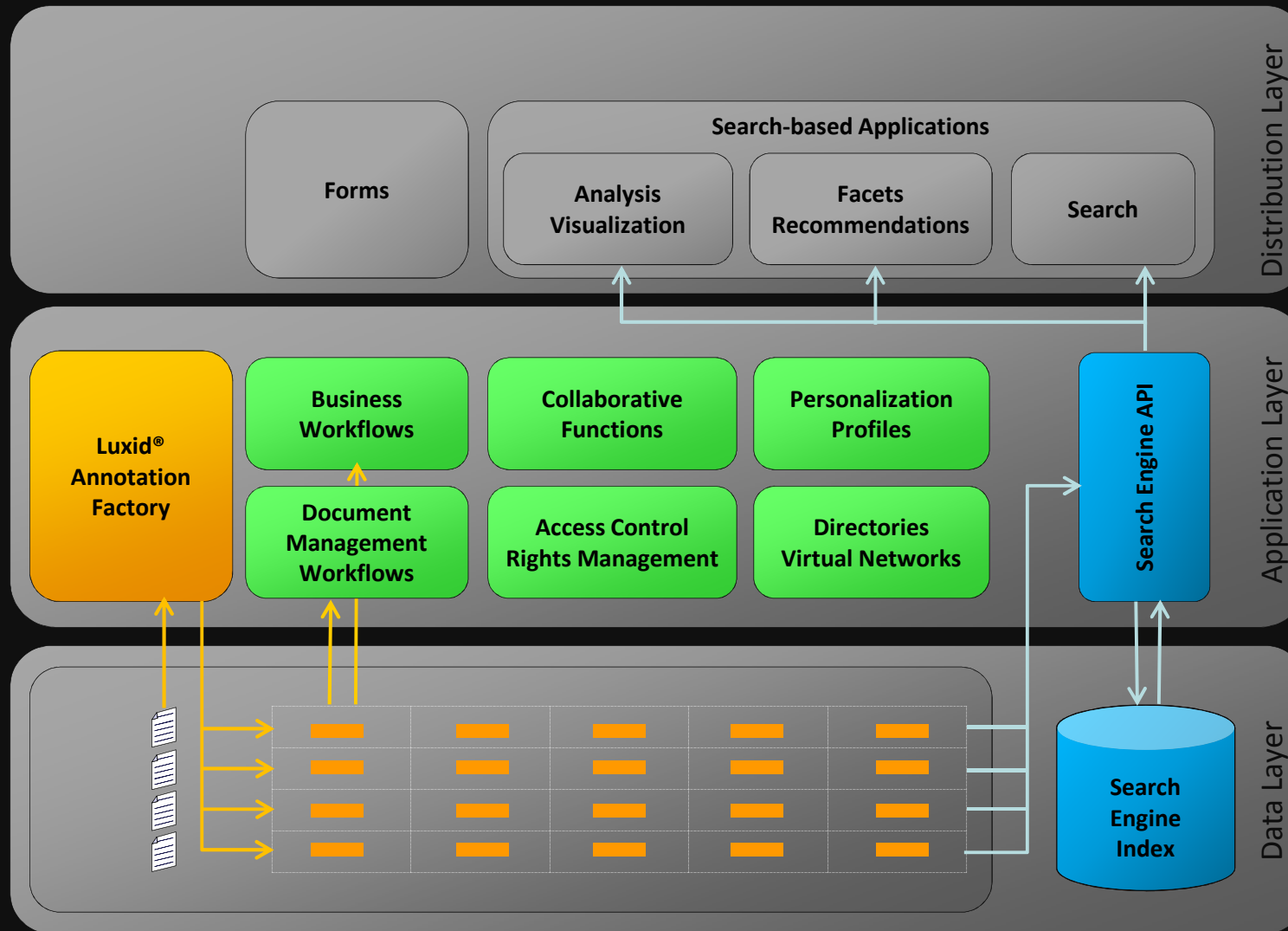
- ❖ ECMs value metadata ...
- ❖ ... but metadata must be contributed **manually** which is inefficient
- ❖ **Automated** Semantic Content Enrichment completes ECMs with a metadata production process that is
 - Productive
 - Deep
 - Consistent

Flow Diagram Luxid[®] for ECM



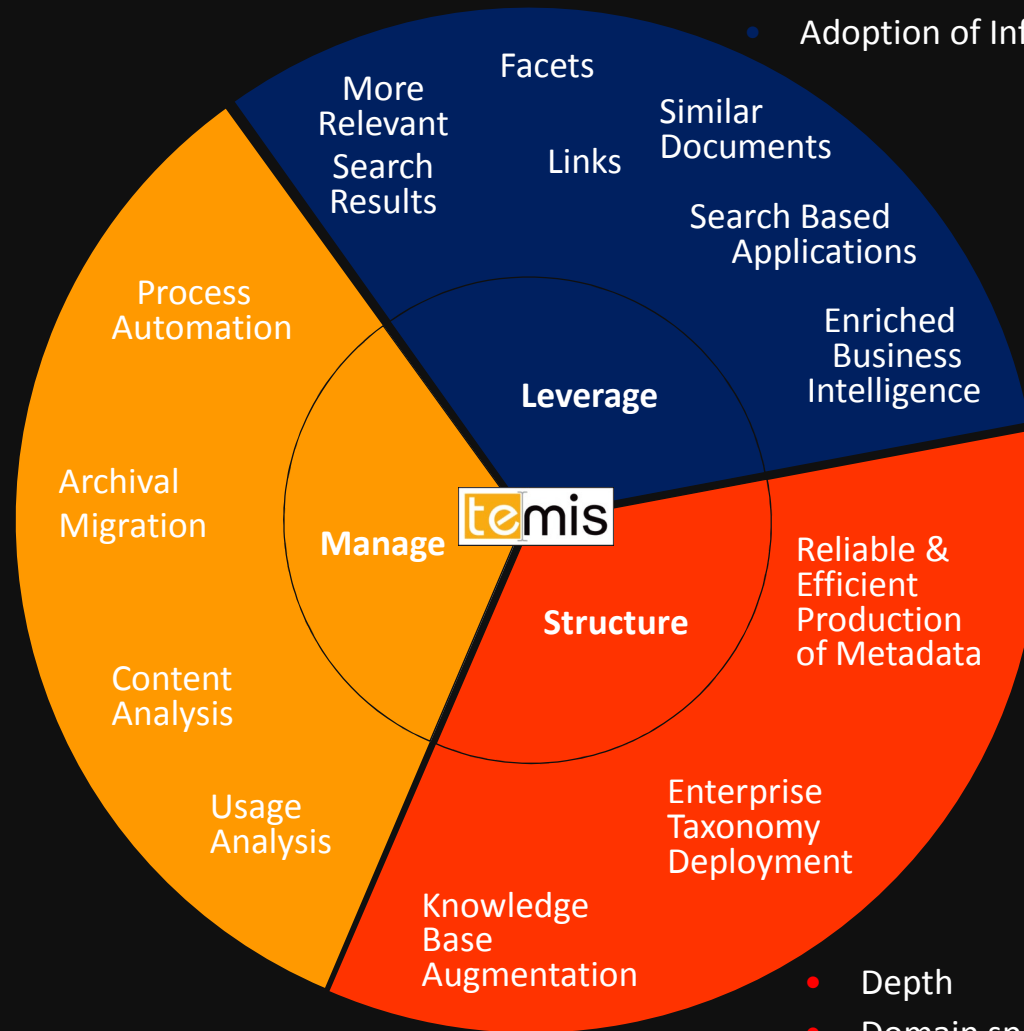
At ECM Scale

Metadata enriches the application layer



Value Proposition

- Enables scalability
- Helps reduce risks
- Helps optimize costs
- Informs decision making



- Quicker & More effective search
- Analysis
- End-user Productivity & Satisfaction
- Adoption of Information System



- Minimal End-user Contribution effort



- Depth
- Domain specificity
- Consistency

Example use cases

Leverage

Global **Global Information Sharing Initiative**

Classification plan based on an enterprise taxonomy (Client, Segment, Channel, Product, Technology, Region, Type of Document)

- Quicker and More Effective search processes
- Facilitates Knowledge Base creation
- Places information in Context / in Perspective with news and internal knowledge
- Accelerated information distribution

HR **Expertise Mapping**

CV and work documents analysis
Extraction of subjects of expertise

- Topical Experts identification
- Enrichment of directories and collaborative workspaces
- Collaborative networks detection

Product **Voice of customer**

Categorization of incoming customer calls
(Incident type, Product, Segment, Region)

- Call center optimization
- Customer pain points identification
- Product / Service improvement
- Product quality alerts

R&D **Scientific Discovery**

Scientific Litterature analysis
(articles, patents, internal reports, etc)

- Production and maintenance of research landscapes
- Identification of promising research directions

Example use cases

Manage

- | | | |
|------------------------------------|---|--|
| IS | Content Management optimization
Classification plan based on an enterprise taxonomy (Type of Document, Type of Information) | <ul style="list-style-type: none">• Content Management process scalability• Document Management Workflow Automation• Access Control Optimization• Support for migration and fusion of document management systems |
| IS
-
Legal Dpt | Archival optimization
Classification plan based on an enterprise taxonomy (Type of Document, Type of Information) | <ul style="list-style-type: none">• Identification of regulated, binding or evidentiary documents• Minimized regulatory / judicial risk• Optimized costs |
| IS | Information Systems optimization
Document Auditing
Usage Analysis
Visualization & Monitoring | <ul style="list-style-type: none">• Analysis and demonstration of service value• Optimized costs• Optimized investments |

Integration in the ECM

Underlying principles and key mechanisms

❖ Interfacing via Web Services

- Triggered manually or through ECM timer jobs
- Luxid® for ECM extracts metadata from each document and stores it **into each ECM's native infrastructure** :
SharePoint columns, Alfresco aspects, ...

❖ Frees the metadata from the search engine

- All applications can access the metadata
- Enables massive re-enrichment (archive repurposing...)
- Manual metadata edits (removal, addition...) are also stored
Subsequent extractions reproduce and preserve modifications

❖ Available integrations :



Microsoft®
SharePoint®



Alfresco™


EMC²®

nuxeo
Open Source ECM

Luxid® for SharePoint 2010



SharePoint 2010

Standard Search Center

Site Actions 

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This Site: TM360 Demo ▾ a*

Result Type

1-10 of about 980 results  

Any Result Type

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Past Month


Past Six Months


Past Year


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HSBCJardine MathesonJet Airways ... AsiaAsia/JapanAsia/ChinaAsia/IndiaAsia/South KoreaOceania/Australia ... Douglas FlintAnthony NightingaleMr NakaoHaruhiko Kuroda
Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 48KB
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Asian companies urged to diversify their funding -562449.doc>

 [A renegade climate idea that could work -562563.doc](#)
EuropeAsia/ChinaAsia/IndiaNorth America/United StatesEurope/United KingdomEurope/AustriaAsia/ThailandEurope/ItalyAsia/CambodiaAfrica/KenyaUndefined/ArcticEurope ...
Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 55KB
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/A renegade climate idea>



SharePoint 2010 Standard Search Center

Site Actions

SHAREPOINT\dmayer

TM360 Demo Site > Site Search Results

Home

This Site: TM360 Demo

1-10 of about 950 results

Result Type

- Any Result Type
- Word
- Adobe PDF
- Webpage

Site

- Any Site
- sharepoint.luxid...

Author

- Any Author
- Sharepoint\Admini...
- Michael
- Sharepoint\dmayer
- Fabien Gauthier
- show more v

Modified Date

- Any Modified Date
- Past 24 Hours
- Past Week
- Past Month
- Past Six Months
- Past Year

❖ Only technical metadata is available

- Author User ID
- Modification Date
- URL
- File Format

A Bridge to the Next
AsiaEuropeNorth America
America/Mexico/Mexico C
Author: Sharepoint\dmayer
http://sharepoint.luxid.com/...
2011-03-01 15:53:47Z.doc

An epic plunder in the
AsiaEuropeAfricaAntarct
StatesAsia/ChinaOceania/New ZealandAsia/Hong Kong
News Agency: Agence France Presse
Author: Sharepoint\dmayer | Date: 1/31/2011 | Size: 30KB
http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/An epic plunder in the
Pacific - 571192.doc

Cairn retreats on 2.5m award - 571757.doc
Cairn Energy Legal & General Group / Cairn Resources - Chief Executive
Office/Chairman/Secretary/Non-executive Chairperson | Europe/United Kingdom/Asia/India/North
America/Greenland
Author: Sharepoint\dmayer | Date: 1/31/2011 | Size: 47KB
http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Cairn retreats on 2.5m
award - 571757.doc

Apache Reaches Oil Deal in U.S. - 570590.doc
North America/United States/Africa/Egypt/Oceania/Australia/North America/United
States/Oklahoma/North America/United States/Texas/North America/United
States/Washington/North America/United
Author: Sharepoint\dmayer | Date: 1/31/2011 | Size: 49KB
http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Apache Reaches Oil Deal
in U.S. - 570590.doc

Asian companies urged to diversify their funding - 562449.doc
HSBC/Clairine Matheson/et Airways Asia/Asia/Japan/Asia/China/Asia/India/Asia/South
Korea/Oceania/Australia | Douglas Finn/Anthony Nightingale/Mr. Naxos/Haruhiko Kuroda
Author: Sharepoint\dmayer | Date: 1/31/2011 | Size: 42KB
http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Asian companies urged
to diversify their funding - 562449.doc

A renegade climate idea that could work - 562563.doc
Europe/Asia/China/Asia/India/North America/United States/Europe/United
Kingdom/Europe/Austria/Asia/Thailand/Europe/Italy/Asia/Cambodia/Africa/Kenya/undefined/Arctic/Europe
Author: Sharepoint\dmayer | Date: 1/31/2011 | Size: 55KB
http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/A renegade climate idea

Luxid[®] for SharePoint 2010

Enriched Search Center



Search Center - Entities ▶ Search Results



SHAREPOINT\dmayer ▾

a*

Preferences
Advanced

Location

1-10 of 25 results



Any Location

- North america (22) ✕
- Asia (18) ✕
- Europe (17) ✕
- Africa (8) ✕
- Oceania (6) ✕
- show more ▾

Company

Any Company

- Anadarko (3) ✕
- Cairn energy (3) ✕
- Bp (3) ✕
- Transocean (3) ✕
- Pevik (2) ✕
- show more ▾

Media

Any Media

- Newspaper (10) ✕
- Newsagency (4) ✕

Person

Any Person

- Bill gammell (3) ✕
- Vince cable (3) ✕
- Daniel pauly (2) ✕
- Italo campodonico (2) ✕
- Joo siang (2) ✕

[A Bridge to the Next Asian Boom -578477.doc](#)

AsiaEuropeNorth **America**/United States**Asia**/Japan**Asia**/Indonesia**Asia**/China**Asia**/IndiaNorth **America**/Mexico/Mexico CityEurope/Switzerland/Basel ... World Bank**Adb****Asian** Development Bank ...
 Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 82KB
 Location : North America/United States North America/Mexico/Mexico City Asia/China Asia/Japan Asia/Indonesia More
 Company : CHINA RESOURCES POWER McGraw-Hill
 Function : Chief Executive Officer Executive Officer Chairman
 Organisation : World Bank Adb Asian Development Bank
 Person : Mr. McGraw
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/A Bridge to the Next Asian Boom -578477.doc>

[An epic plunder in the Pacific -572182.doc](#)

AsiaEurope**Africa****Antarctica**South **America**/ChileSouth **America**/PeruNorth **America**/United States**Asia**/ChinaOceania/New Zealand**Asia**/Hong ... NewsAgency/**Agence** France Presse ...
 Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 90KB
 Location : South America/Peru/Lima(PE) North America/United States/Mansfield(US.OH) Europe/Spain/Cabra North America/United States Oceania/New Zealand More
 Company : China Fishery Parlevliet & Van Laskaridis Shipping Carlyle Group Pevik More
 Media : NewsAgency/Agence France Presse
 Function : Lawyer Member Of Experts Chairman Manager More
 Organisation : University Of Concepcia N Greenpeace Agriculture Organization Regional Fisheries Management Organization Dutch Government More
 Person : Italo Campodonico Daniel Pauly Cristian Canales Eric Pineda Joo Siang More
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/An epic plunder in the Pacific -572182.doc>

[Cairn retreats on 2.5m award -571757.doc](#)

Cairn EnergyLegal & General GroupVedanta Resources ... Chief Executive OfficerChairmanSecretaryNon-executive Chairperson ... Europe/United Kingdom**Asia**/IndiaNorth **America**/Greenland ...
 Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 47KB
 Location : North America/Greenland Europe/United Kingdom Asia/India
 Company : Vedanta Resources Cairn Energy Legal & General Group
 Function : Chief Executive Officer Chairman Secretary Non-executive Chairperson
 Person : Vince Cable Bill Gammell Sacha Sadan
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Cairn retreats on 2.5m award -571757.doc>

[Apache Reaches Oil Deal in U.S. -570550.doc](#)

North **America**/United States**Africa**/EgyptOceania/**Australia**North **America**/United States/OklahomaNorth **America**/United States/TexasNorth **America**/United States/WashingtonNorth **America**/United ...
 Authors: Sharepoint\Dmayer Date: 2/3/2012 Size: 49KB
 Location : North America/United States/Oklahoma Africa/Egypt North America/United States North America/United States/Texas North America/United

Result Type

Any Result Type

- Word (16)
- Adobe PDF (9)

Site

Any Site

sharepoint.luxid... (25)

Author

Any Author

Sharepoint\Dmayer (25)

Modified Date

Any Modified Date

Past 24 Hours (25)



Luxid® for SharePoint 2010

Enriched Search Center

Search Center - Entities - Search Results

1-10 of 25 results

Location

- Any Location
- North america (22)
- Asia (18)
- Europe (17)
- Africa (8)
- Oceania (6)
- show more v

Company

- Any Company
- Anadarko (3)
- Cairn energy (3)
- Bp (3)
- Transocean (3)
- Pevik (2)
- show more v

Media

- Any Media
- Newspaper (10)
- Newsagency (4)

Person

- Any Person
- Bill gammell (3)
- Vince cable (3)
- Daniel pauly (2)
- Italo campodonico (2)
- Joo siang (2)

❖ Facets domain-specific metadata

- Helps drill down to most relevant results
- Technical metadata is preserved

Result Type

- Any Result Type
- Word (16)
- Adobe PDF (9)

Site

- Any Site
- sharepoint.luxid... (25)

Author

- Any Author
- Sharepoint\Dmayer (25)

Modified Date

- Any Modified Date
- Past 24 Hours (25)

A Bridge to the Next
AsiaEuropeNorth AmericaAfrica
Development Bank
Location: North America
Company: CHINA
Function: Chief Executive Officer
Organisation: World Bank
Person: Mr. McGraw
http://sharepoint.luxid.com/sites/Luxid/Enriched Document Library/A Bridge to the Next/Asian Bank -578477.doc

An epic plunder in the Pacific -572182.doc
AsiaEuropeAfricaAntarcticaSouth AmericaChileSouth AmericaPeruNorth AmericaUnited StatesAsiaChinaOceaniaNew ZealandAsia/Hong KongNewsAgencyAgence France Presse
Authors: Sharepoint\Dmayer Date: 1/9/2012 Size: 90KB
Location: South America/Peru/Lima(PE) North America/United States/Mansfield(US,OH) Europe/Spain/Cabre North America/United States/Oceania/New Zealand/Tirol
Company: China Fisher, Perrieret & van, Laskaris Shipping, Carlys Group, Pevik, More
Media: NewsAgency/Agence France Presse
Function: Lawyer, Member Of Experts, Chairman, Manager, More
Organisation: University Of Sannio, Greenpeace, Agriculture Organization, Regional Fisheries Management Organization, Dutch Government, More
Person: Italo Campodonico, Daniel Pauly, Cristian Gonzalez, Eric Pineda, Joo Siang, More
http://sharepoint.luxid.com/sites/Luxid/Enriched Document Library/An epic plunder in the Pacific -572182.doc

Cairn retreats on 2.5m award -571757.doc
Cairn Energy,Legal & General Group,Vedanta Resources, Chief Executive Officer,Chairman,Secretary,Non-executive Chairperson, Europe/United Kingdom/Asia/India/North America/Greenland
Authors: Sharepoint\Dmayer Date: 1/5/2012 Size: 47KB
Location: North America/Greenland Europe/United Kingdom Asia/India
Company: Vedanta Resources, Cairn Energy, Legal & General Group
Function: Chief Executive Officer, Chairman, Secretary, Non-executive Chairperson
Person: Vince Cable, Bill Gammell, Sacha Sadan
http://sharepoint.luxid.com/sites/Luxid/Enriched Document Library/Cairn retreats on 2.5m award -571757.doc

Apache Reaches Oil Deal in U.S. -570550.doc
North America/United States/Africa/Egypt/Oceania/Australia/North America/United States/Oklahoma/North America/United States/Texas/North America/United States/Washington/North America/United States
Authors: Sharepoint\Dmayer Date: 1/9/2012 Size: 48KB
Location: North America/United States/Oklahoma Africa/Egypt North America/United States North America/United States/Texas North America/United States/Washington

Luxid® for SharePoint 2010

Enriched Search Center

Search Center - Entities - Search Results

1-10 of 25 results

Location	Result Type
Any Location	Any Result Type
North America	Word
Asia	Adobe PDF
Europe	Site
Africa	Any Site
Oceania	sharepoint:luxid
show more v	Author
Company	Any Author
Any Company	Sharepoint:DMayer
Apacorp	
Canada	
China	
Europe	
France	
Germany	
India	
Japan	
Latin America	
Media	
Any Media	
Newspaper	
Navigation	
Person	
Any Person	
Bill Gammell	
Vince Cable	
Daniel Pauly	
Ricardo Campodónico	
Joo Siang	

A Bridge to the Next Asian Boom -578477.doc
AsiaEuropeNorth America/United StatesAsia/JapanAsia/IndonesiaAsia/ChinaAsia/IndiaNorth America/Mexico/Mexico CityEurope/Switzerland/Basel ... World BankAdbAsian Development Bank ...
Authors: Sharepoint\DMayer Date: 2/3/2012 Size: 82KB
Location : North America/United States North America/Mexico/Mexico City Asia/China Asia/Japan Asia/Indonesia More
Company : CHINA RESOURCES POWER McGraw-Hill
Function : Chief Executive Officer Executive Officer Chairman
Organisation : World Bank Adb Asian Development Bank
Person : Mr. McGraw
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/A Bridge to the Next Asian Boom -578477.doc>

An epic plunge in the Pacific -572182.doc
AsiaEuropeAfricaAntarcticaSouth America/ChileSouth America/PeruNorth America/United StatesAsia/ChinaOceania/new ZealandAsia/Hong ... NewsAgency/Agence France Presse
Authors: Sharepoint\DMayer Date: 2/3/2012 Size: 4KB
Location : South America/Peru/Lima/PE North America/Zealand More
Company : China Fishery Parkeslet & Van Ustrandis
Media : NewsAgency/Agence France Presse
Function : Lawyer Member Of Experts Chairman Mar
Organisation : University Of Concepcion Greenpeace Agric
Person : Italo Campodónico Daniel Pauly Cristian De
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/An epic plunge in the Pacific -572182.doc>

Cairn retreats on 2.5m award -571757.doc
Cairn Energy Legal & General GroupVedanta Resources ... Chief Executive OfficerChairmanSecretaryNon-executive Chairperson ... Europe/United KingdomAsia/IndiaNorth America/Greenland
Authors: Sharepoint\DMayer Date: 2/3/2012 Size: 49KB
Location : North America/Greenland Europe/United Kingdom Asia/India
Company : Vedanta Resources Cairn Energy Legal & General Group
Function : Chief Executive Officer Chairman Secretary Non-executive Chairperson
Person : Vince Cable Bill Gammell Sacha Sedan
<http://sharepoint.luxid.com/sites/L4SP/TM360/Enriched Document Library/Cairn retreats on 2.5m award -571757.doc>

Apache Reaches Oil Deal in U.S. -570550.doc
North America/United StatesAfrica/EgyptOceania/AustraliaNorth America/United States/OklahomaNorth America/United States/TexasNorth America/United States/WashingtonNorth America/United States
Authors: Sharepoint\DMayer Date: 2/3/2012 Size: 49KB
Location : North America/United States/Oklahoma Africa/Egypt North America/United States North America/United States/Texas North America/United

❖ Each document's metadata is displayed

- Clickable Entities enable further search refinement

Luxid® for SharePoint 2010

Enriched Search Center

The screenshot displays the Luxid Enriched Search Center interface. At the top, the breadcrumb navigation shows "Search Center - Entities - Search Results". The main content area displays search results for documents, including titles like "A Bridge to the Next Asian Boom" and "An epic plunder in the Pacific".

A callout box with a diamond icon and the text "Facets also support hierarchical navigation" points to the "Location" facet. The "Location" facet is expanded, showing a hierarchical list of filters:

- Any Location
- North america (19)
 - United states (19)
 - Washington (4)
 - Houston (2)
 - Kansas (2)
 - Lafayette(us.ca) (2)
 - Mansfield(us.oh) (2)
 - New york city (2)
 - Oklahoma (2)
 - Texas (2)
 - Washington(us) (2)

Luxid® for SharePoint 2010

Access to metadata

The screenshot shows a SharePoint 2010 document library interface. The top navigation bar includes 'Site Actions', 'Browse', 'Document', and 'Library'. The main toolbar contains various actions like 'New Document', 'Upload Document', 'New Folder', 'Edit Document', 'Check Out', 'Check In', 'View Properties', 'Delete Document', 'Version History', 'Document Permissions', 'Generate Metadata', 'Email Link', 'Download a Copy', 'Send To', 'Manage Copies', 'Workflows', 'Publish', 'Search Tools', 'Like', 'Tags & Notes'. The document list below has columns for 'Type', 'Name', 'Modified', and 'Modified By'. A callout box with an orange border and a diamond icon points to the 'Edit Properties' button in the toolbar. The callout box contains the text: '❖ All extracted metadata remains available for end-users'.

Type	Name	Modified	Modified By
Site Pages	A Bridge to the Next Asian Boom - 578477	2/9/2012 11:57 AM	SHAREPOINT\dmayer
Shared Documents	A renegade climate idea that could win - 35255	2/9/2012 11:57 AM	SHAREPOINT\dmayer
Enriched Document Library	America out of touch with geopolitical realities of energy - 35257	2/9/2012 11:58 AM	SHAREPOINT\dmayer
Lists	An epic plunger in the Pacific - 57132		SHAREPOINT\dmayer
Calendar	Apache Peaches Oil Deal in U.S. - 37035		SHAREPOINT\dmayer
Tasks	Asian companies urged to diversify their funding - 56248		SHAREPOINT\dmayer
Discussions	Private oil group set to extract its first barrel - 57779		SHAREPOINT\dmayer
Team Discussion	Battle to overcome PVDC obstacle intensifies - 57169		SHAREPOINT\dmayer
	Bidders compete to host Green Bank - 58134	2/9/2012 11:17 AM	SHAREPOINT\dmayer
	Blunting Embargo to Iran Aids Dream - 57351	2/9/2012 11:17 AM	SHAREPOINT\dmayer
	Boch revenues hit 50m for first time - 57251	2/9/2012 11:17 AM	SHAREPOINT\dmayer
	BP blow in legal fight over puffball - 57352	2/9/2012 11:17 AM	SHAREPOINT\dmayer
	BP setback in battle with Transocean over oil spill docks - 57475	2/9/2012 11:17 AM	SHAREPOINT\dmayer
	Carrn looks to shareholders and drops 2.5m pay plan - 57041	2/9/2012 12:07 PM	SHAREPOINT\dmayer
	Carrn retreats on 2.5m award - 57457	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Carrn sells part of Greenland stake - 57087	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Cameron steps up attempts to heal 'damaging' rift with Europe - 56875	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	'Carbon bubble' of energy assets cuts economy at risk Bank warned - 35035	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Central banks increase gold loans for first time in a decade - 56204	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Changes bring global flurry of innovation - 56937	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Cheapeake Cuts Gas Drilling Amid Q4 - 55959	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Chevron seeks fair treatment from Brazil - 57312	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	China buys into U.K. water firm - 56467	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	China could take Thames Water over days after visit by Osborne - 56501	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	China finds eyes over Queen Sand farm - 56108	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	China sets to buy 10 of Thames' assets - 55554	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	City Ester Energy is another foreign firm to pop in the FTSE 100 days this Friday - 56172	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Cash over solar panels subsidies under fire - 56614	2/9/2012 12:08 PM	SHAREPOINT\dmayer
	Coalition split after Obama vote to approve new runways - 56425	2/9/2012 12:08 PM	SHAREPOINT\dmayer

Luxid® for SharePoint 2010

Access to metadata

The screenshot shows the SharePoint 2010 interface with the 'Enriched Document Library' window open. The window title is 'Enriched Document Library - A Bridge to the Next Asian Boom -578477.doc...'. The interface includes a top ribbon with 'Edit' and 'Delete Item' options, and a main area for editing document metadata. The metadata fields are as follows:

- Content Type:** TM360 Content Type
- Name:** A Bridge to the Next Asian Boom -578477.doc
- Title:** (empty)
- Last Annotation Date:** 2/3/2012 11 AM 19
- TemisCompany:** CHINA RESOURCES POWER, McGraw-Hill. Annotations table with 'Edit Delete' links.
- TemisFunction:** Chairman, Chief Executive Officer, Executive Officer. Annotations table with 'Edit Delete' links.
- TemisLocation:** Asia, Asia/China, Asia/India, Asia/Indonesia, Asia/Japan, Europe, Europe/Switzerland/Basel, North America/Mexico/Mexico City, North America/United States. Annotations table with 'Edit Delete' links.
- TemisMedia:** (empty)
- TemisOrganisation:** (empty)

Three callout boxes with orange borders and diamond icons point to specific actions in the interface:

- Modify:** Points to the 'Edit' button in the top ribbon.
- Delete:** Points to the 'Delete Item' button in the top ribbon.
- Add/Insert:** Points to the 'Insert' buttons within the metadata fields.

Luxid® for SharePoint 2010

Storage in the columns

Library Tools

SHAREPOINT\dmayer

Standard View Datasheet View New Row Show Task Pane Show Totals Refresh Data Create View

Modify View Current View: TEMIS Metadata

E-mail a Link RSS Feed Sync to SharePoint Workspace Connect to Office Export to Excel Open with Explorer Form Web Parts Edit Library New Quick Step Library Settings Library Permissions Workflow Settings

Type	Name	Modified	Modified By	TemisPerson	TemisCompany	TemisLocation	TemisOrganisation	TemisFunction	TemisMedia
Document	A Bridge to the Next Asian Boom - 578477	2/3/2012 11:57 AM	SHAREPOINT\dmayer	Mr. McGraw	CHINA RESOURCES POWER, McGraw-Hill	Asia, Europe, North America/United States, Asia/Japan, Asia/Indonesia, Asia/China, Asia/India, North America/Mexico/Mexico City, Europe/Switzerland/Basel	World Bank, Adb, Asian Development Bank	Chairman, Executive Officer, Chief Executive Officer	
Document	A renegade climate idea that could work - 562563	2/3/2012 11:57 AM	SHAREPOINT\dmayer	Roger Pielke Jr, Ted Nordhaus, Drew Shindell, John Tierney New York, Adam Ferguson	Goddard	Europe, Asia/China, Asia/India, North America/United States, Europe/United Kingdom, Europe/Austria, Asia/Thailand, Europe/Italy, Asia/Cambodia, Africa/Kenya, Undefined/Arctic, Europe/Germany, Asia/Japan/Kyoto, North America/United States/New York City	Nasa, University Of Colorado, Breakthrough Institute, Columbia University, United Nations		Newspaper/New York Times
Document	America out of touch with geopolitical realities of energy - 565417	2/3/2012 11:58 AM	SHAREPOINT\dmayer	Mr Frederick J Lawrence, Barack Obama		Asia, North America/United States, South America/Venezuela, North America/Canada, North America/United States/Washington(US)	World Bank, Independent Petroleum Association Of America, International Centre For Settlement Of Investment Disputes	Vice President	
Document	An epic plunder in the Pacific - 572182	2/3/2012 12:02 PM	SHAREPOINT\dmayer	Annelies Ilena, Cristian Canales, Daniel Pauly, Eduardo Sorenson, Eduardo Tarifeno, Eric Benavides, Gerard Van Balsfoort, Irene Jay Liu, Italo Campodonico, Joo Siang, Juan Pablo Figueroa Lasch, Juan Vilches, Martini Gotje, Milagros Salazar, Rashid Sumaila, Roberto Cesari	Carlyle Group, China Fishery, Laskaridis Shipping, Parlevliet & Van, Pevik, Unimed	Asia, Europe, Africa, Antarctica, South America/Chile, South America/Peru, North America/United States, Asia/China, Oceania/New Zealand, Asia/Hong Kong, Europe/Russia, Oceania/Vanuatu, Europe/Netherlands, Oceania/Australia, North America/Bermuda, Undefined/Latin America, Europe/Greece, Asia/Singapore, North America/Cayman Islands, North America/United States/Lafayette(US, CA), Oceania/New Zealand/Auckland, South America/Chile/Santiago (CL), South America/Peru/Lima (PE), Europe/Belgium/Brussels, Europe/Russia/Moscow(RU), South America/Peru/Chimbote, Asia/China/Beijing, South America/Chile/Talcahuano, South America/Chile/Valparaiso(CL), Europe/Spain/Cabra, North America/United States/Mansfield (US.OH), North America/Cuba/Fomento	Agriculture Organization, Center For Public Integrity, Chilean Government, Dutch Government, E U, Greenpeace, Hong Stock Exchange, Instituto De Fomento, International Consortium Of Investigative Journalists, Louisiana State University, Pelagic Freezer Trawler Association, Pelagic Freezer Trawler Association, Rainbow Warrior, Regional Fisheries Management Organization, University Of Concepcion N	Experts, Chairman, President, Reporters, Lawyer, Member Of, Manager	NewsAgency/Agence France Presse
Document	Apache	2/3/2012 12:03 PM	SHAREPOINT\dmayer	George Solich, Steven Ferris	Chevron, Cordillera Energy	North America/United States, Africa/Egypt, Oceania/Australia		Chief Executive Officer	

❖ A dedicated column hosts the metadata of each type

Luxid® for SharePoint 2010

Audit trail of manual modifications

Home	Type	Name	Modified	Modified By	TemisPerson	LuxidForSharePoint_Actions_TemisPerson	TemisCompany	LuxidForSharePoint_Actions_TemisCompany	TemisLocation
	Document	America out of touch with geopolitical realities of energy - 565417	2/3/2012 11:58 AM	SHAREPOINT\dmaye	Mr Frederick J Lawrence, Barack Obama			<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203105830" value="Economics" /> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203105830" value="International Affairs" /> </Actions>	Asia, North America, South America/Venue, America/Canada, America/United States/Washir
	Document	Apache Reaches Oil Deal in U.S. -570550	2/3/2012 12:03 PM	SHAREPOINT\dmaye	George Solich, Steven Farris	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110300" value="Sanford C Bernstein" /> </Actions>	Chevron, Cordillera Energy, Encap Investments, Energy Partners, Exxon Mobil, Kohlberg Kravis Roberts, Samson Investment, Sanford C Bernstein	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110300" value="Apache" /> </Actions>	North America States, Africa, Oceania/Austr America/United States/Oklah America/United States/Texas, America/United States/Washir America/United States/Housto America/United States/Kansas
	Document	Asian companies urged to diversify their funding -562449	2/3/2012 12:14 PM	SHAREPOINT\dmaye	Douglas Flint, Anthony Nightingale, Mr Nakao, Haruhiko Kuroda		HSBC, Jardine Matheson, Jet Airways	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> <Action operation="Delete" author="SHAREPOINT\dmaye" date="2012020311432" value="Development Bank" /> </Actions>	Asia, Asia/Jap Asia/China, Oceania/Austr
	Document	Battle to overcome HVDC obstacle intensifies - 571169	2/3/2012 11:17 AM	SHAREPOINT\dmaye	Matthew Knight, Udo Niehage, Peter Leupp		E.ON, Mpx Energia, Gas Participacoes, Osx Brasil, Distance, Osx	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> <Action operation="Delete" author="SHAREPOINT\dmaye" date="2012020311432" value="Development Bank" /> </Actions>	South America Europe/Germ Undefined/Lat South America de Janeiro, South America/Braz
	Document	Bidders compete to	2/3/2012 12:12 PM	SHAREPOINT\dmaye	Neil Mclean, Vince Cable	<Actions> <Action operation="Add" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> </Actions>	Siemens, ABB, Alstom, Relative Time	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> </Actions>	Europe, Asia/Asia/China, Et Kingdom, North America/United Europe/Germ Europe/France America/Braz Continent/Unk Country/Zabk
	Document	Bidders compete to	2/3/2012 12:12 PM	SHAREPOINT\dmaye	Neil Mclean, Vince Cable	<Actions> <Action operation="Add" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> </Actions>	Green Bank, Green	<Actions> <Action operation="Delete" author="SHAREPOINT\dmaye" date="20120203110334" value="Hong" /> </Actions>	Europe/United Europe/United

❖ For each type of metadata a second column preserves end users' manual modifications

Agenda

- ❖ Corporate Overview
- ❖ Semantic Content Enrichment in brief
- ❖ Value Proposition & Use Cases
- ❖ Luxid® for ECM
- ❖ Conclusion

Conclusion

Semantic Content Enrichment going mainstream

❖ New uses for a mature technology

- Adopted by Publishers and propagating to the Enterprise
- Now integrated with Enterprise Content Management Systems
- Makes the entire Information System more intelligent

❖ Brings value throughout the enterprise

- Structures the unstructured
- Helps manage content and fight Information Overload
- Helps leverage information for strategic impact



Thank You
Your questions

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Ressources

❖ Publishing Research Consortium study on Journal Article Mining

- An in depth report on ongoing and planned semantic content enrichment practices in the STM Publishing Industry with a special focus on Journals
- [Click here](#)

❖ TEMIS Networked Content Manifesto

- A White Paper providing insights into the benefits and areas of application of semantics in the context of Professional Publishing
- [Click here](#)
- New version of this White Paper coming out shortly with Enterprise use cases, please inquire with me directly at daniel.mayer@temis.com