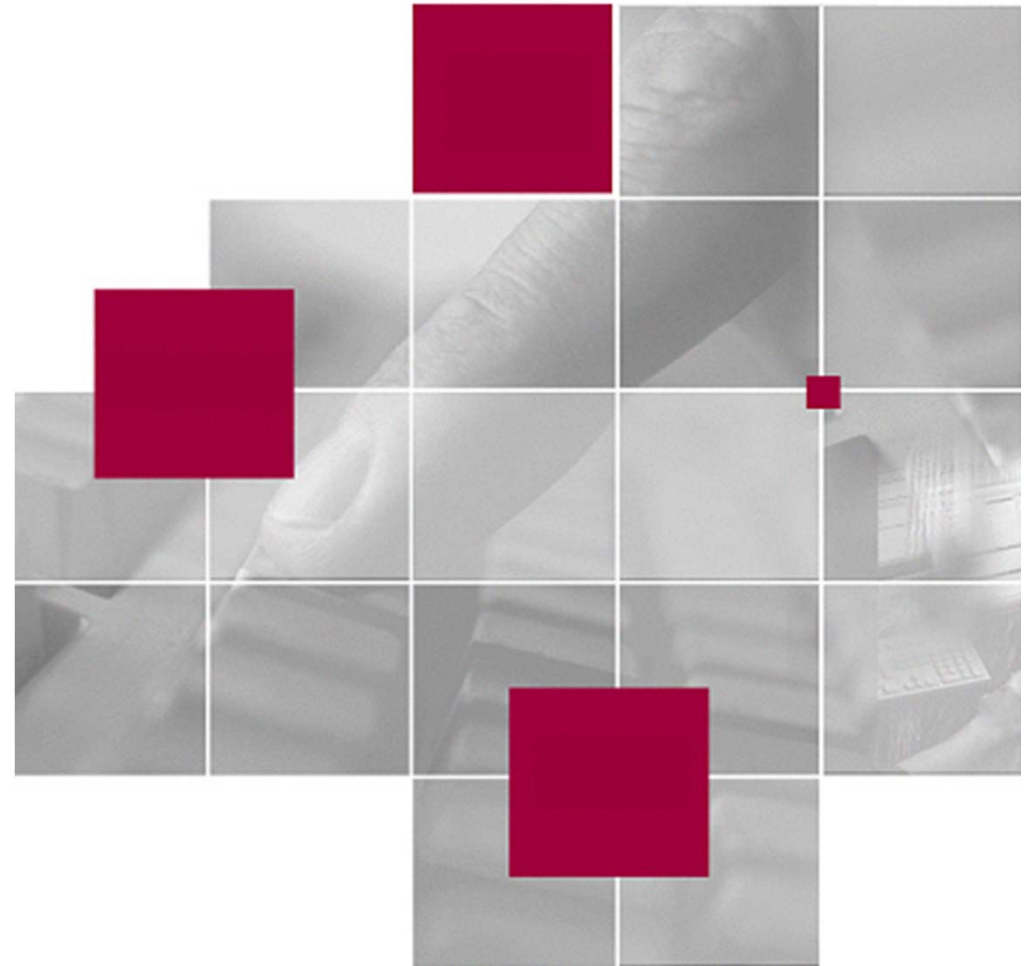
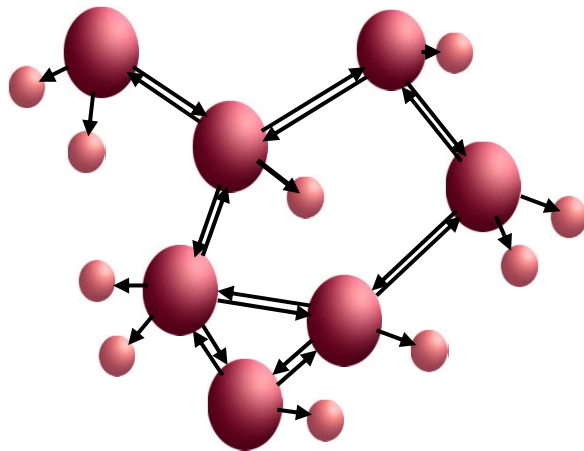




Knowledge on Demand in the Semantic Age



Dr. Guenter Pees

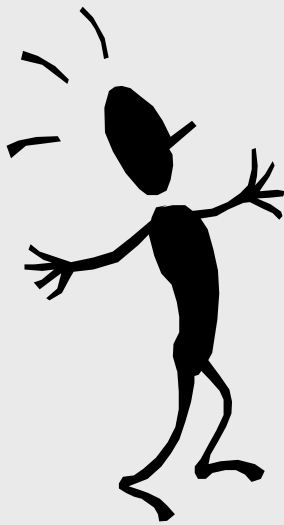
Senior Consultant E-Learning
Schneider System GmbH



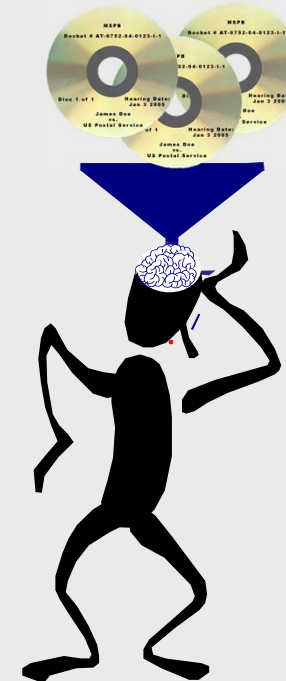
Agenda

- **Knowledge on Demand**
- **New approach by Semantics**
- **Demonstration: Current project**
- **Conclusion**

Knowledge on Demand: Main Problem Areas



GROUP	DATE	TIME
divers	Dateiordner	29.03.2006 10:59
Acquisition	Dateiordner	20.01.2006 12:06
Architecture	Dateiordner	24.01.2006 17:20
Business Process Reengineering&Management&...	Dateiordner	09.02.2006 17:30
CIIM - Common Information Model	Dateiordner	19.01.2006 17:09
Components & Objects & Frameworks & Patterns	Dateiordner	14.10.2005 10:25
Configuration-Management	Dateiordner	19.01.2006 12:45
Constructivism	Dateiordner	23.01.2006 16:36
Content Management & Delivery	Dateiordner	24.02.2006 09:40
Continuity Planning	Dateiordner	05.09.2005 09:34
COTS	Dateiordner	03.02.2006 10:27
DataMgmt & DataBase & DataWarehouse & Busi...	Dateiordner	03.04.2006 15:28
eBusiness & eGovernment & eServices	Dateiordner	31.01.2006 15:21
eLearning & eTesting	Dateiordner	15.03.2006 12:48
Enterprise-Computing	Dateiordner	24.10.2005 15:05
ERP - Enterprise-Resource-Planning	Dateiordner	20.01.2006 11:07
FiInfoSys & MIS & DSS & C2Sys	Dateiordner	20.01.2006 12:34
GIS - GeoInfoSys	Dateiordner	18.01.2006 14:21
Grid-Computing	Dateiordner	23.01.2006 09:25
Hochschulen Ranking & SWOT-Analysen	Dateiordner	09.02.2006 12:48
Internet Technologies	Dateiordner	23.01.2006 09:24
Interoperability & Integration & EAI & Portals & ...	Dateiordner	26.01.2006 11:09
IT-Management & IT-Controlling	Dateiordner	25.01.2006 10:00
Kapazitätsmanagement	Dateiordner	25.01.2006 10:15
Knowledge Management & Ontologies	Dateiordner	03.04.2006 15:23
Location-Based Services	Dateiordner	22.02.2006 11:30
Logistics & Supply Chain Management	Dateiordner	23.01.2006 15:26
M&S - Modeling & Simulation	Dateiordner	25.01.2006 14:42
Management, Führung, CommandsControl	Dateiordner	23.01.2006 15:27
MDA - Model Driven Architecture	Dateiordner	17.01.2006 12:57
Measurement&Modeling - Performance&Quality...	Dateiordner	06.07.2005 12:35
Medienkonvergenz	Dateiordner	08.03.2006 11:51
Migration & Modernization & Upgrading	Dateiordner	20.01.2006 12:30
Modeling - Data & Functions & Processes & Syst...	Dateiordner	20.01.2006 11:50
NCO & GIS & NetOpFu & CD&E & Transformation	Dateiordner	28.02.2006 10:25
Network&Computer - Monitoring&Management	Dateiordner	20.01.2006 11:42
P2P - Peer-to-Peer	Dateiordner	18.01.2006 15:46
Personalization & Web Usage Mining	Dateiordner	22.02.2006 11:14
Portale	Dateiordner	29.03.2006 10:55
Qualifikation & Training	Dateiordner	20.01.2006 11:38
Security & Risk-Management & Datenschutz	Dateiordner	23.01.2006 09:47
Semantic-Web, Wisdom-Web, Web-Intelligence	Dateiordner	29.03.2006 11:00
Sensor Networks	Dateiordner	23.01.2006 10:28
SOA - Service-oriented Architecture	Dateiordner	25.01.2006 10:16



Missing Structure of “stored knowledge”

Learning on suspicion

Knowledge on Demand: Structuring Information



Method	Date	Time
Business Process Management/Management...	29.03.2006	10:59
Architecture	20.01.2006	17:06
Architecture	24.01.2006	17:20
Business Process Management/Management...	09.02.2006	17:30
Component & Object & Frameworks & Patterns	19.01.2006	17:09
Configuration Management	14.10.2005	10:25
Construction	19.01.2006	12:45
Contract Management & Delivery	23.01.2006	16:36
Contract Management	24.02.2006	09:40
Contract Management	05.09.2005	09:34
COSS	03.02.2006	10:27
Customer & Supplier & Data Warehouse & Bus...	03.04.2006	10:28
Business & Government & Services	31.01.2006	10:21
Business & Testing	15.03.2006	12:48
Business & Testing	24.10.2005	10:05
Business & Testing	20.01.2006	11:07
Business & Testing	20.01.2006	12:34
Business & Testing	18.01.2006	14:21
Business & Testing	23.01.2006	09:25
Business & Testing	09.02.2006	12:48
Business & Testing	23.01.2006	09:24
Business & Testing	26.01.2006	11:09
Business & Testing	25.01.2006	10:00
Business & Testing	25.01.2006	10:15
Business & Testing	03.04.2006	10:23
Business & Testing	23.02.2006	11:39
Business & Testing	23.01.2006	10:26
Business & Testing	25.01.2006	14:42
Business & Testing	23.01.2006	10:27
Business & Testing	17.01.2006	12:57
Business & Testing	06.07.2005	12:35
Business & Testing	09.03.2006	11:51
Business & Testing	20.01.2006	12:30
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Business & Testing	20.01.2006	11:42
Business & Testing	18.01.2006	14:46
Business & Testing	22.02.2006	11:14
Business & Testing	29.03.2006	10:55
Business & Testing	20.01.2006	11:28
Business & Testing	23.01.2006	09:47
Business & Testing	29.03.2006	11:00
Business & Testing	23.01.2006	10:28
Business & Testing	25.01.2006	10:16

Usable for many cases!

- Which colleague is occupied in which way with project A?
- What else do I have to consider concerning project A?
- How do I solve this problem?
- Which relationship exists between method X and method Y?

➔ Knowledge individualised, contextual and accessible On Demand!



Agenda

- Knowledge on Demand
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New approach by Semantics: Higher Quality of Search Results

Search by „Google“

many Documents

results by Full text-search

time-intensively, not exact

isolated Information

Search by Semantics

less, but helpful Documents

results by topic

quick and exact

Information in context



Semantic technology leads to a new quality of search



Agenda

- Knowledge on Demand
- New approach by Semantics
- **Demonstration: Current project**
- Conclusion



Agenda

- Knowledge on Demand
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- **Conclusion**



Conclusion

- Semantic structures offer new possibilities for
 - an effective approach for „Knowledge on Demand“
 - combining E-Learning and Knowledge Management
 - supporting employees to search for (practical) knowledge
 - improving self-controlled learning

- Semantic networks can be the answer to some problems of the information age („GPS-System for Information“)

Contact

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