

# IKS Early Adopters Workshop

Salzburg, June 22-23, 2010

## What are we building for you?

Bertrand Delacrétaz

Senior Developer, Day Software ([www.day.com](http://www.day.com))

Member, Apache Software Foundation ([apache.org](http://apache.org))



**NOT  
a semantic  
guru!**

IKS – Interactive Knowledge Stack for Semantic Content Management Systems



IKS is co-funded by the European Union and develops  
new technology for intelligent content management



# What are we building for with you?

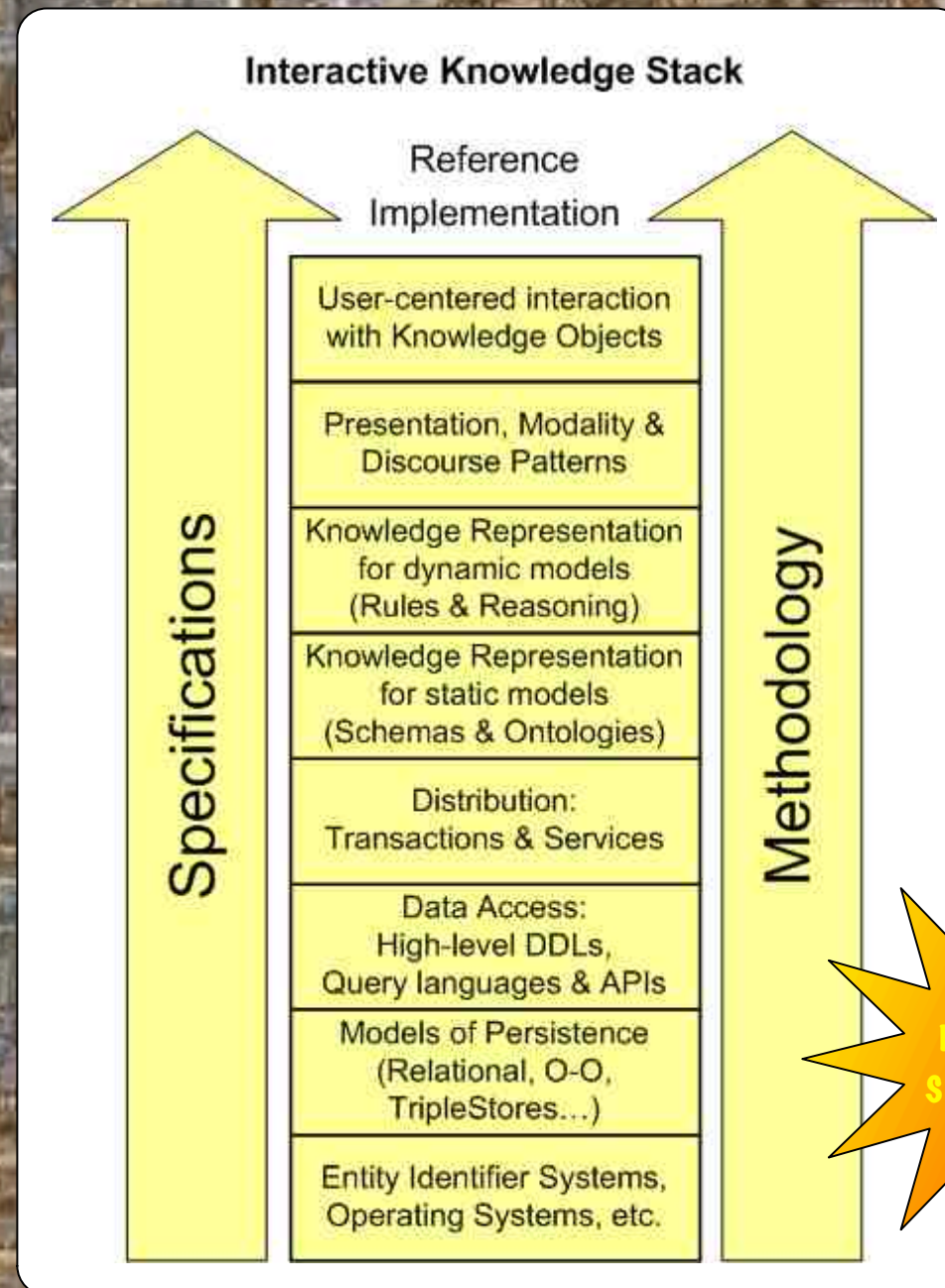


Picture: darnok on morguefile.com

● Day



# A revolutionary semantic CMS stack



maybe just 4 layers?

rocket science?

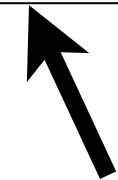


# A RESTful semantic engine

IKS FISE semantic engine



Register content item  
Get/update semantic view  
Execute query



RESTful  
interface

Existing  
CMS

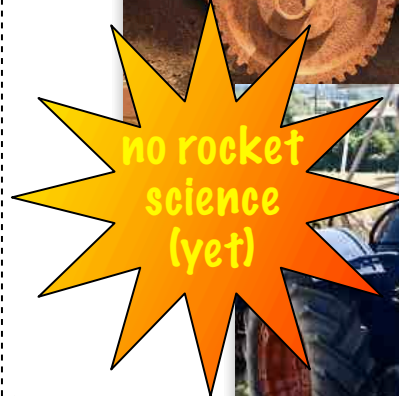
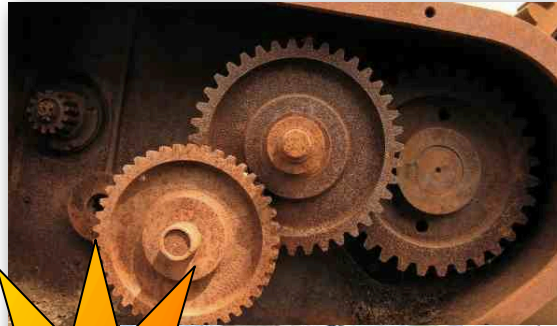
plugins infrastructure

# The FISE semantic engine vision

RESTful interface  
Engine Framework  
Basic Plugins

Later:  
Semantic Plugins  
Rocket Science...

IKS semantic engine



Register content item  
Get/update semantic view  
Execute query

Semantic  
Plugins  
API

RESTful  
interface

Existing  
CMS

infrastructure

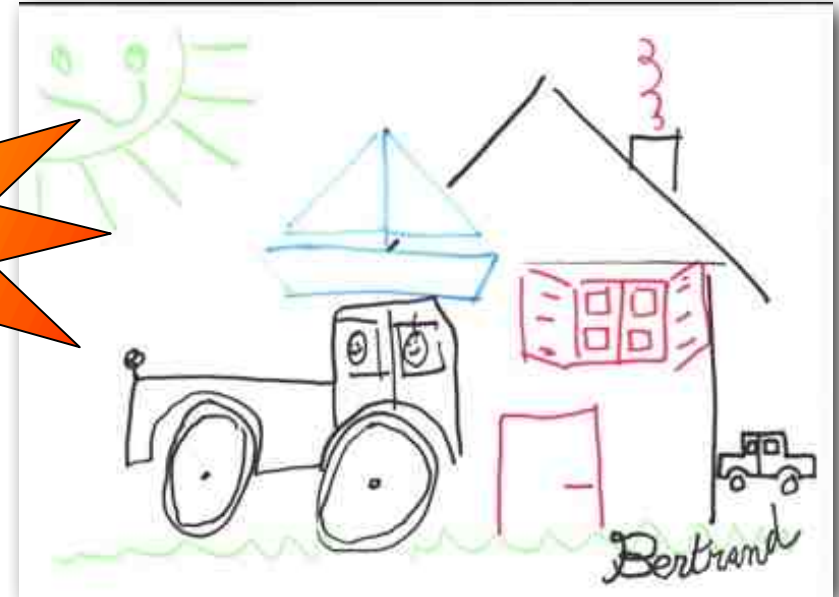
industrial partners

researchers

# Use case: semantic images similarity



describe  
those on  
the phone!



**POST both images to FISE (runs alongside your CMS)**

**Semantic Engines «see» <sup>maybe, tomorrow :-)</sup> objects (car, house, boat etc.)**

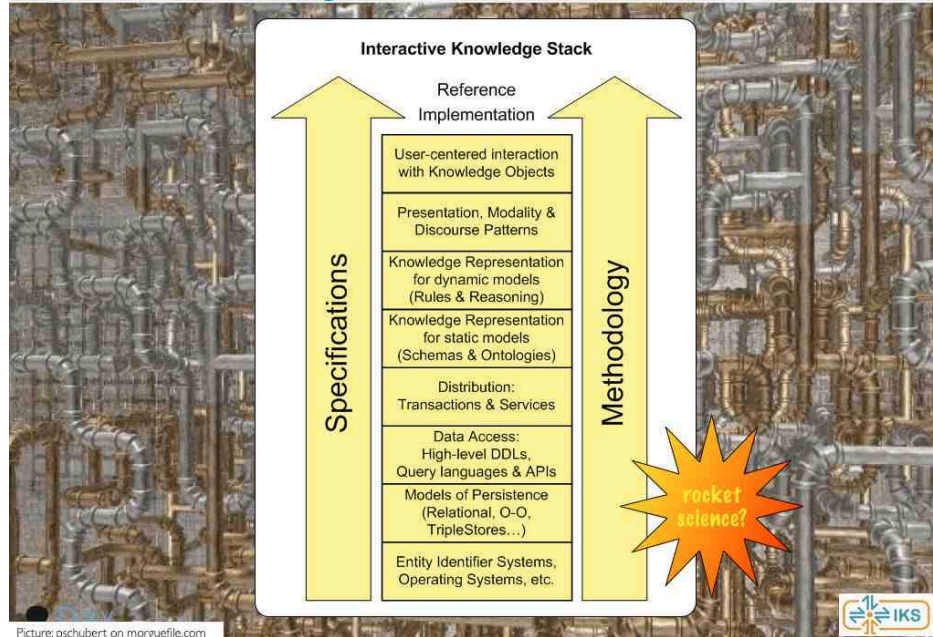
**Semantic metadata: rich links between content objects.**

**Researchers plug in better semantic engines.**

More on dev.day.com: <http://x42.ch/03.00.01>

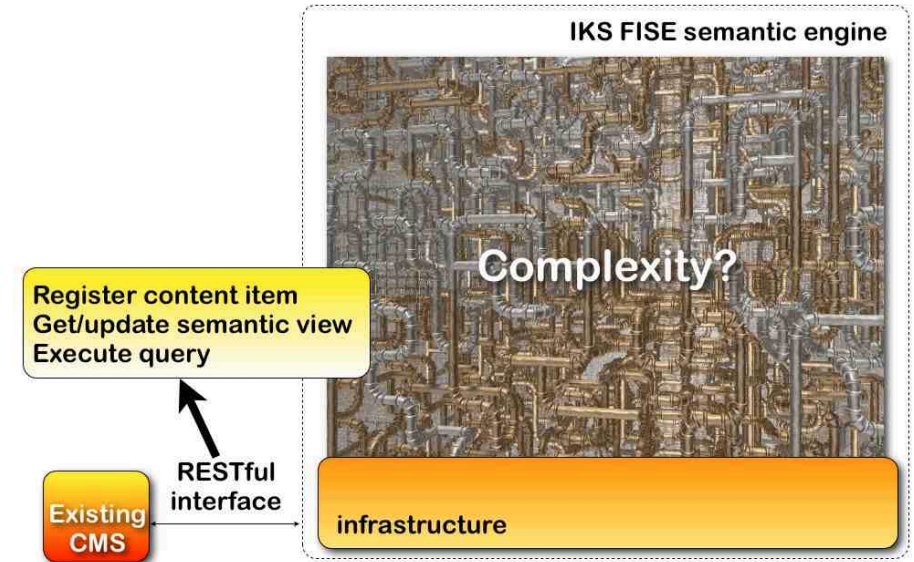
# Summary

## A revolutionary semantic CMS stack



Working software later in 2010  
Revolutionary content management  
Semantic all the way through  
Ideas trickle to FISE and CMS industry














## A RESTful semantic engine



Working software today  
Direct community involvement  
Minimal core, plugins for everything  
Borrows ideas/components from IKS stack



# The IKS Consortium

<p>Project Lead and Coordination Salzburg Research</p> 	<p>Wernher Behrendt Salzburg Research Forschungsgesellschaft m.b.H. Jakob Haringer Straße 5/3   5020 Salzburg, Austria T +43.662.2288-409   F +43.662.2288-222 wernher.behrendt@salzburgresearch.at <a href="http://www.salzburgresearch.at">www.salzburgresearch.at</a></p>
<p>Deutsches Forschungsinstitut für Künstliche Intelligenz (DFKI)</p> 	<p>Universität St. Gallen Institute of Technology Management  University of St.Gallen</p>
<p>Consiglio Nationale delle Ricerche (CNR)</p> 	<p>Software Quality Lab Universität Paderborn</p>  
<p>Software Research and Development Consultancy Ltd (SRDC)</p> 	<p>Hochschule Furtwangen </p>
<p>Nuxeo Sa.</p> 	<p>Alkacon Software GmbH</p> 
<p>TXT Polymedia</p> 	<p>Pisano Holding GmbH</p> 
<p>Nemein Oy</p> 	<p>Day Software AG</p> 