

Resource Management, Reuse, and Web Applications

Marc W. Küster, Christoph Ludwig

{kuester,ludwig}@fh-worms.de

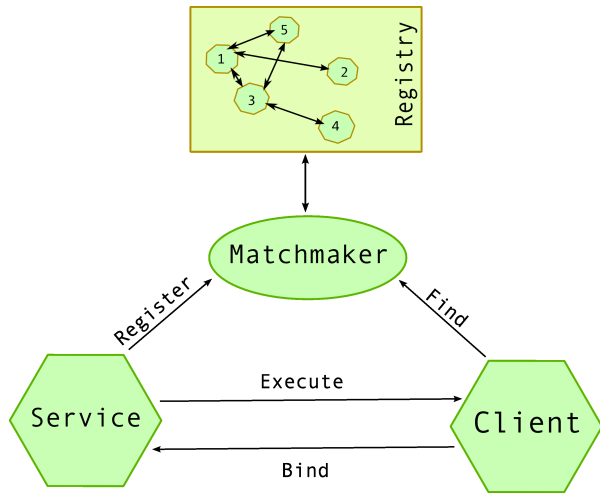
ASWEC 2008 – March 26, 2008



eHumanities:
TextGrid

eGovernment:
EGRN

Resource Registries in Matchmakers / Brokers



Similar for the Broker pattern.

Establish an interdisciplinary platform – a community grid
– for **collaborative research in textual scholarship**
based on grid technologies.

In particular:

- ▶ Preparation of critical editions
- ▶ Edition and elaboration of dictionaries
- ▶ Corpus linguistics

Part of a larger **eHumanities Digital Ecosystem**

⇒ Reuse of existing and future services / resources
(e. g. by InterEdition)

eHumanities:
TextGrid

eGovernment:
EGRN

Establish an interdisciplinary platform – a community grid
– for **collaborative research in textual scholarship**
based on grid technologies.

In particular:

- ▶ Preparation of critical editions
- ▶ Edition and elaboration of dictionaries
- ▶ Corpus linguistics

Part of a larger **eHumanities Digital Ecosystem**

⇒ Reuse of existing and future services / resources
(e. g. by InterEdition)

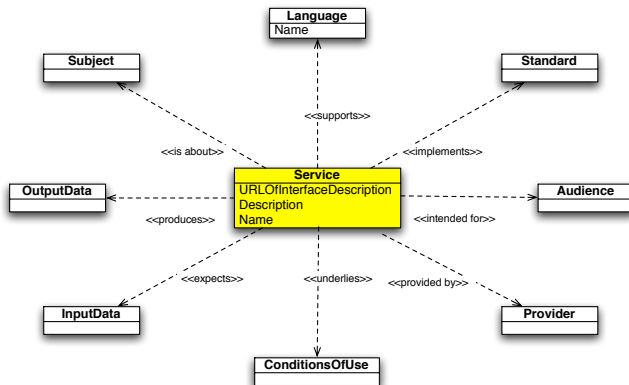
eHumanities:
TextGrid

eGovernment:
EGRN

Registry required for **Resource Discovery**

eHumanities:
TextGrid

eGovernment:
EGRN



Ontology subject to community agreement.

Resource selection and composition by domain experts
⇒ Gear resource registry towards human end users.

Consequences:

- ▶ KISS: Avoid over-formalism!
- ▶ Back ontology up with Web / Wiki pages

CEN/ISSS eGovernment Focus Group

Resource
Management,
Reuse, and Web
Applications

eHumanities:
TextGrid

eGovernment:
EGRN

- ▶ established February 2005, to prepare recommendations to CEN and others concerning standardization issues for eGovernment
- ▶ Chaired by Peter Brown (Pensive S.A.)
- ▶ Almost 100 members across Europe
- ▶ Since February 2008 succeeded by eGov-Share

- ▶ Call for experts, October 2005. Project team:
 - ▶ Marc W. Küster (UAS Worms)
 - ▶ Makx Dekkers (independent)
 - ▶ Graham Moore (NetworkedPlanets)

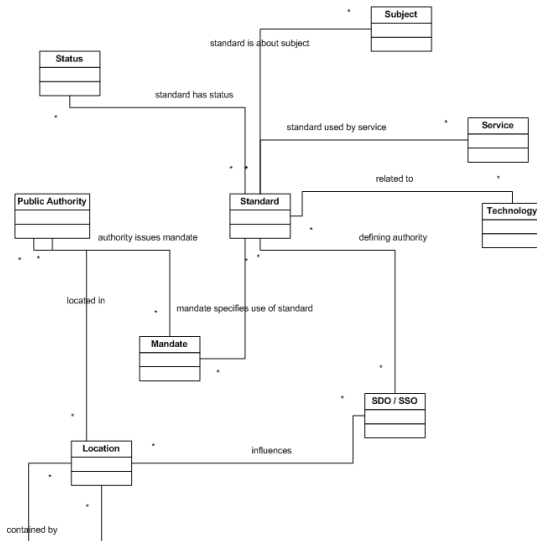
- ▶ Sun grant, March-April 2006:
 - ▶ design an initial ontology for services and standards
 - ▶ build rudimentary eGov Resource Navigator

- ▶ Commission grant approved starting March 2007

- ▶ Follow-up activity eGov-Share started February 2008

Outline of the Ontology: Standards

Resource
Management,
Reuse, and Web
Applications



eHumanities:
TextGrid

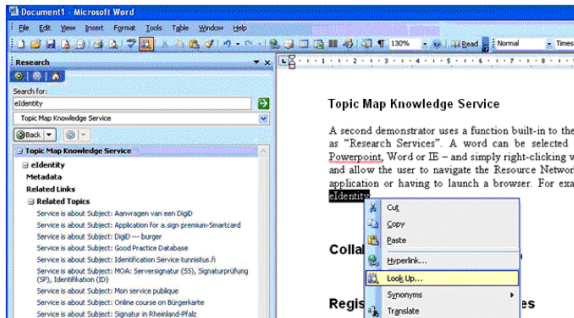
eGovernment:
EGRN

Knowledge Service

Resource
Management,
Reuse, and Web
Applications

eHumanities:
TextGrid

eGovernment:
EGRN



Document1 - Microsoft Word

File Edit View Insert Format Tools Table Window Help

Search for: eidentity

Topic Map Knowledge Service

back

Topic Map Knowledge Service

- eidentity
 - Metadata
 - Related Links
 - Related Topics
 - Service is about Subject: Aanvragen van een DigiD
 - Service is about Subject: Application for a sign premium-Smartcard
 - Service is about Subject: DigiD -- burger
 - Service is about Subject: Good Practice Database
 - Service is about Subject: Identification Service (hunstatus.fi)
 - Service is about Subject: NOA: Serversignatur (SS), Signaturprüfung (SP), Identifikation (ID)
 - Service is about Subject: Mon service publique
 - Service is about Subject: Online course on Bürgerkarte
 - Service is about Subject: Signatur in Rheinland-Pfalz

Topic Map Knowledge Service

A second demonstrator uses a function built-in to the as "Research Services". A word can be selected - Powerpoint, Word or IE - and simply right-clicking w and allow the user to navigate the Resource Network application or having to launch a browser. For exam

Colla

Regis

Context menu options: Cut, Copy, Paste, hyperlink..., **Look Up...**, Synonyms, Translate

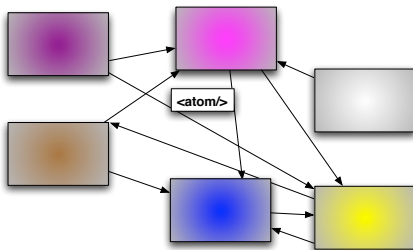
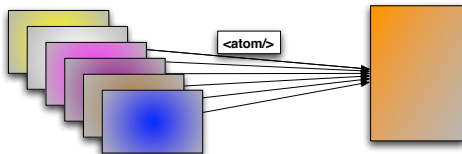
Data Capture

Type of standard *:	Semantic Standard <input type="text"/>
	Classification of this standard
Originating standards body *:	ISO <input type="text"/>
Formal identification *:	ISO/IEC 13250:2002 Topic <input type="text"/>
Long name:	Topic Maps <input type="text"/>
Short name:	Topic Maps <input type="text"/>
Version:	2 <input type="text"/>
Status:	International Standard <input type="text"/>
	<ul style="list-style-type: none">--File Formats - Text--File Formats - Fonts--File Formats - Images/Photographs--File Formats - Moving Picture--File Formats - Sound and Speech--File Formats - Speech Synthesis--File Formats - Geospatial Data--File Formats - VR/3D--File Formats - eBooks--File Formats - Newsfeeds--Computer Aided Design Formats--Operating Systems--Integrated Development Environments--Software Creation Standards-Metadata-Identification--Metadata Expression--General Resource Description--Sector Specific Metadata - Education--Sector Specific Metadata - Research
Subjects *:	Subject (multiple choices possible, optional) <input type="text" value="This International Standard provides a standardized notation for"/>

<http://psi.egovpt.org>

Registry Collaboration Scenarios

Resource
Management,
Reuse, and Web
Applications



eHumanities:
TextGrid

eGovernment:
EGRN

- ▶ General Requirements:
 - ▶ Separate exchange, data and collaboration models
 - ▶ Transmit data in a machine and human readable form
 - ▶ Choose technology neutral standards
 - ▶ Fit in a resource-oriented world
 - ▶ Support hierarchical and P2P collaboration models
- ▶ Protocol Design Principles:
 - ▶ Use the ATOM syndication format
 - ▶ Build on XTM fragments