

D20 v0.3 Usage Scenarios (Relaunch SW)

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Table of contents

- [1. Introduction](#)
 - [2. Usage Scenario I](#)
 - [3. Usage Scenario II](#)
 - [4. Usage Scenario III](#)
 - [5. Conclusions & Future Work](#)
 - [6. References](#)
 - [Acknowledgement](#)
-

1. Introduction

In this draft we want to report the progress which has been done so far. In the former version of this deliverable [6] we agreed on these three usage scenarios

- I. the Semantic Web Portal Project Working Group
- II. the DERI Homepage
- III. the Semantic Web Community Portal

In section 2 we will have a closer look at the sites of the working group. In section 3 we will look at the semantics of the DERI websites and in section 4 we will explore the new semanticweb.org sites and give some recommendations about the further progress in section 5.

2. Usage Scenario I

The working group did not change nor their home page. Its members are listed at 'People' and linked to the semantically annotated personal home pages at DERI see II. The portal ontology [1] which is used in II were developed by this working group.

For the internal documents and communication a share point server is used. Fig. 1 shows the home page after the login screen.

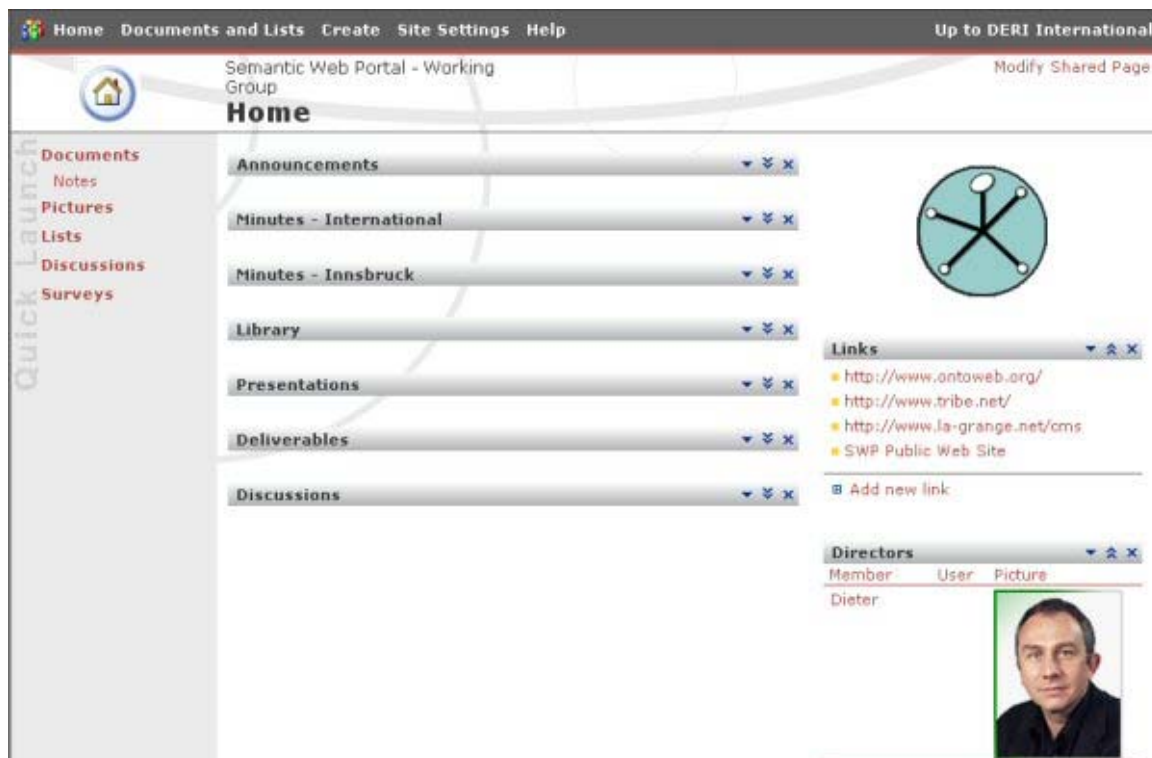


Figure 1: Home page of the internal share point server

For each entry meta data like title, author and date are provided in every category but these do not refer to the ontology developed by this group.

At the moment there is also no workflow for documents that have been finalized and become public.

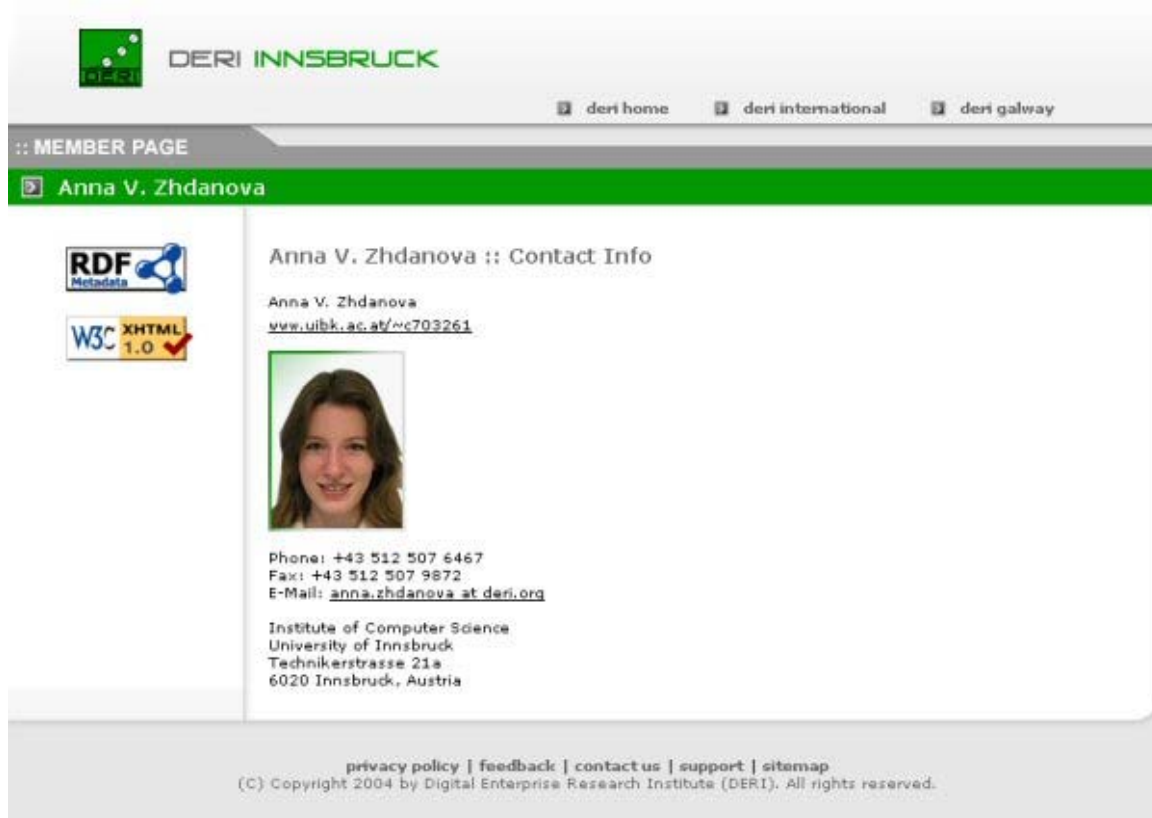
3. Usage Scenario II

At DERI each member home page is now based on semantics.

Each member has to update her/his personal data by her/himself. After login a form provides the following attributes of a person so far (spelling taken over as shown):

Affiliation, Title, Photo, Phone number (work), Email address, Department, Fax number (work), City (work), Homepage URI, Street address (work), Post code (work), ICQNumber, Middlename/letter, First name, Full name, Surname, WorkonProject, birthdayDate, Country (work)

The relevant attributes are shown on the official web site as you can see on figure 2.



DERI INNSBRUCK

deri home | deri international | deri galway

MEMBER PAGE

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RDF Metadata

W3C XHTML 1.0

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Figure 2: Semantic homepage of DERI member

These are:

Title, First name, Surname

Homepage URI

Picture

Phone number (work), Fax number (work), Email address

{the @ is replaced so that it is not readable for robots to avoid spam}

Department, Affiliation Street address (work), Post code (work), City (work), Country (work)

The next step will be a management system for further official information like the list of projects, working groups, etc. which than can be added via drop down menu to the personal page.

Later on semantic description for the other sites like 'Publications' and 'Projects' will also be provided.

4. Usage Scenario III

The Semantic Web Community Portal is going to be relaunched in 2005. At the moment the technology is semantically enhanced but new input for the categories is also needed. The proposed objectives are: To become an entry point for finding SemWeb-related data about people, events, organizations, documents and projects. It should also provide (links to) introductory and in-depth information combined with a semantic search functionality.

Figure 3 shows the intermediate page.



Figure 3: Intermediate Page of the Semantic Web Community Portal

The beta version for the new portal can be seen on figure 4. The resources will be grouped into the following eight categories: Events, People & Groups, Tools, Publications, Projects, Organizations, Applications and Web Resources.

The portal will also provide a mailing list, a topic glossary and a wiki which can be found on the right side.

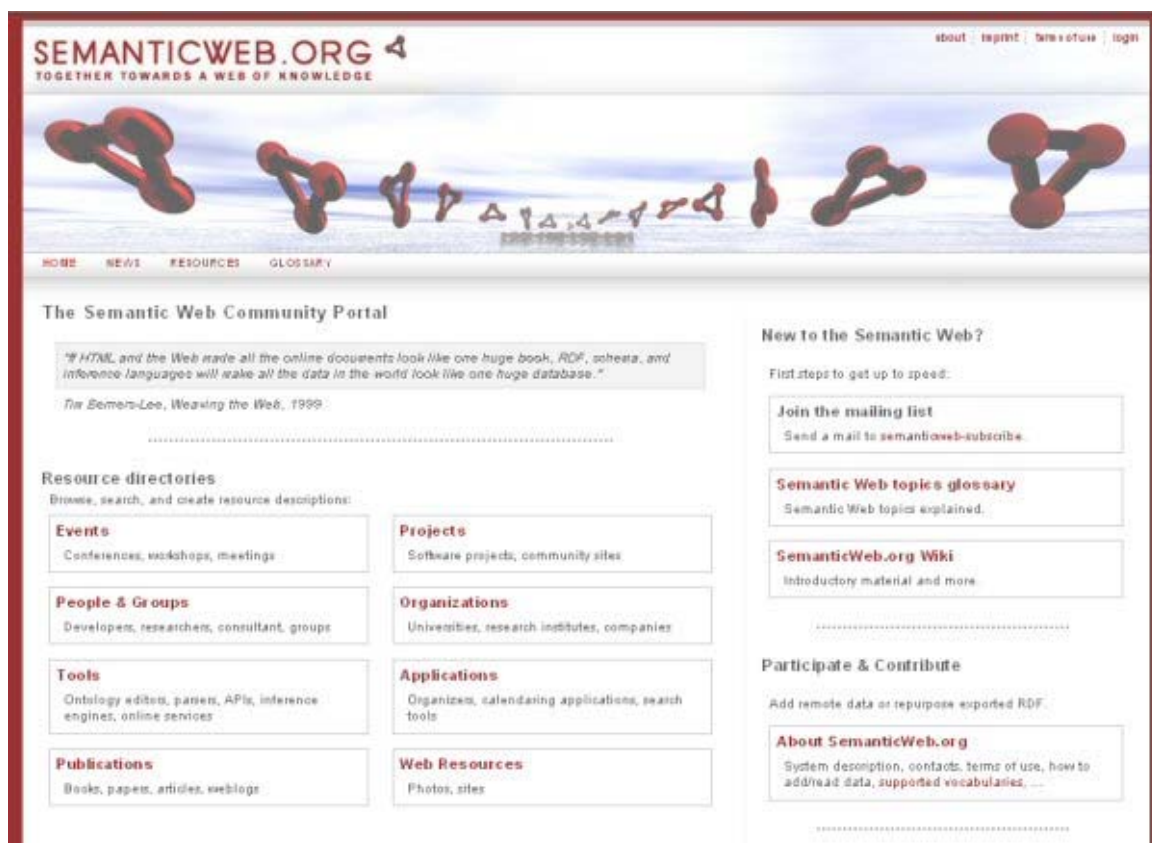


Figure 4: New Home Page of the Semantic Web Community Portal

5. Conclusion & Future Work

At the current state different initiatives are done: The ontology has been developed in I and is used for personal pages in II. Ontology management and publication is tested there. New technologies are developed in III such as annotation and storage at larger scale. Now these efforts have to be aligned and promoted. The Semantic Web Community Portal (III) is a real case scenario and could be a perfect test bed for the world wide scientific community dealing

with semantic web. Within this network it is possible to reach the critical mass for real word application of semantics and not to deal with isolated dummy pages any longer. After some month of active use some statistics will include valued data. Evaluation and user feedback shall also be taken into account for improvements.

6. References

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webmaster