

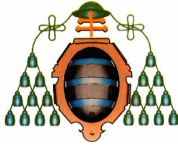
University of Oviedo



## Mailing Lists meet the Semantic Web

Sergio Fernández, **Diego Berrueta**, Jose E. Labra



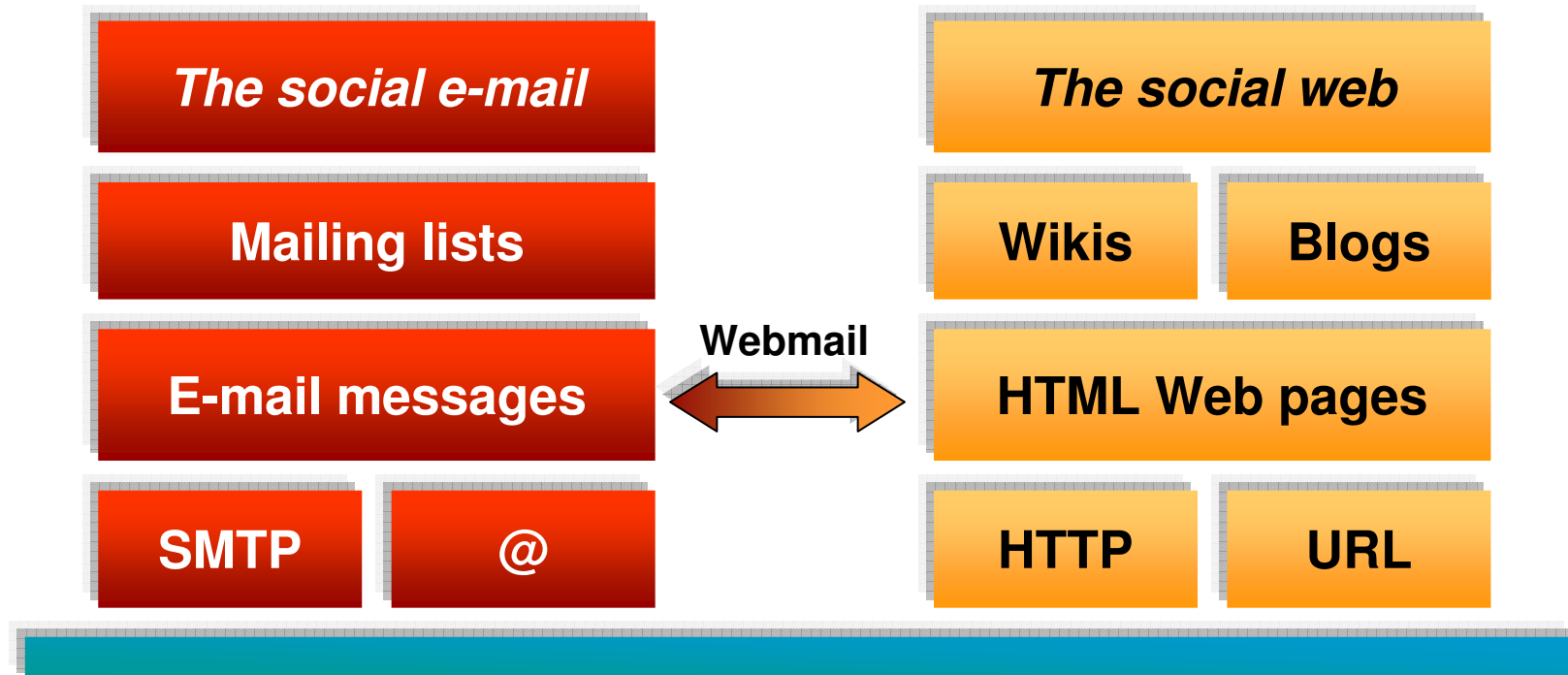


## Contents

1. Motivation
2. Semantic Web to the rescue
3. Software tools: SWAML and Buxon
4. Conclusions and future work



## The two towers





## Mailing list messages as HTML pages

Disaster management ontologies? from Tim Berners-Lee on 2007-04-13 (semantic-web@w3.org from April 2007...)

Archivo Editar Ver Historial Marcadores Herramientas Ayuda

http://lists.w3.org/Archives/Public/semantic-web/2007Apr/0094.html

[W3C home](#) > [Mailing lists](#) > [Public](#) > [semantic-web@w3.org](#) > [April 2007](#)

### Disaster management ontologies?

*This message:* [ [Message body](#) ] [ [Respond](#) ] [ [More options](#) ]  
*Related messages:* [ [Next message](#) ] [ [Previous message](#) ] [ [Next in thread](#) ] [ [Replies](#) ]

[Redacted]

**Date:** Thu, 12 Apr 2007 21:01:55 -0400  
**Message-Id:** <19B3A930-500D-41B7-849B-CC512DAF0B62@w3.org>  
**Cc:** Jim Hendler <[hendler@cs.umd.edu](mailto:hendler@cs.umd.edu)>  
**To:** SW-forum <[semantic-web@w3.org](mailto:semantic-web@w3.org)>

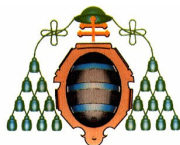
I had an exciting visit from the students in Sri Lanka who had just received an award for their open source disaster management system, Sahana.  
<http://www.sahana.lk/>

Discussing their system, which has just received a Free Software Foundation award, I remembered many conversations about the desirability for wide interoperability in emergence and disaster situations.

I suggested the Sahana folks provide RDF feeds of, for example, missing persons, found persons, shelters, relive groups and resources

Author of the  
message

You see it,  
The machine **does not**



## Anatomy of an e-mail

**Received:** from bat.berlios.de (bat.berlios.de [195.37.77.135]) by lagavulin.gandi.net (Postfix) with ESMTP id 8B50B1CCDD for <diego@berrueta.net>; Fri, 13 Oct 2006 19:53:46 +0200 (CEST)

**From:** Sergio Fdez <sergio@wikier.org>

**To:** swaml-devel@lists.berlios.de

**Date:** Fri, 13 Oct 2006 19:51:59 +0200

**Message-Id:** <1160761919.3787.13.camel@localhost.localdomain>

**X-Mailer:** Evolution 2.6.3

**Subject:** [swaml-devel] SWAML 0.0.2 is out

**Reply-to:** swaml-devel@lists.berlios.de

**List-Id:** <swaml-devel.lists.berlios.de>

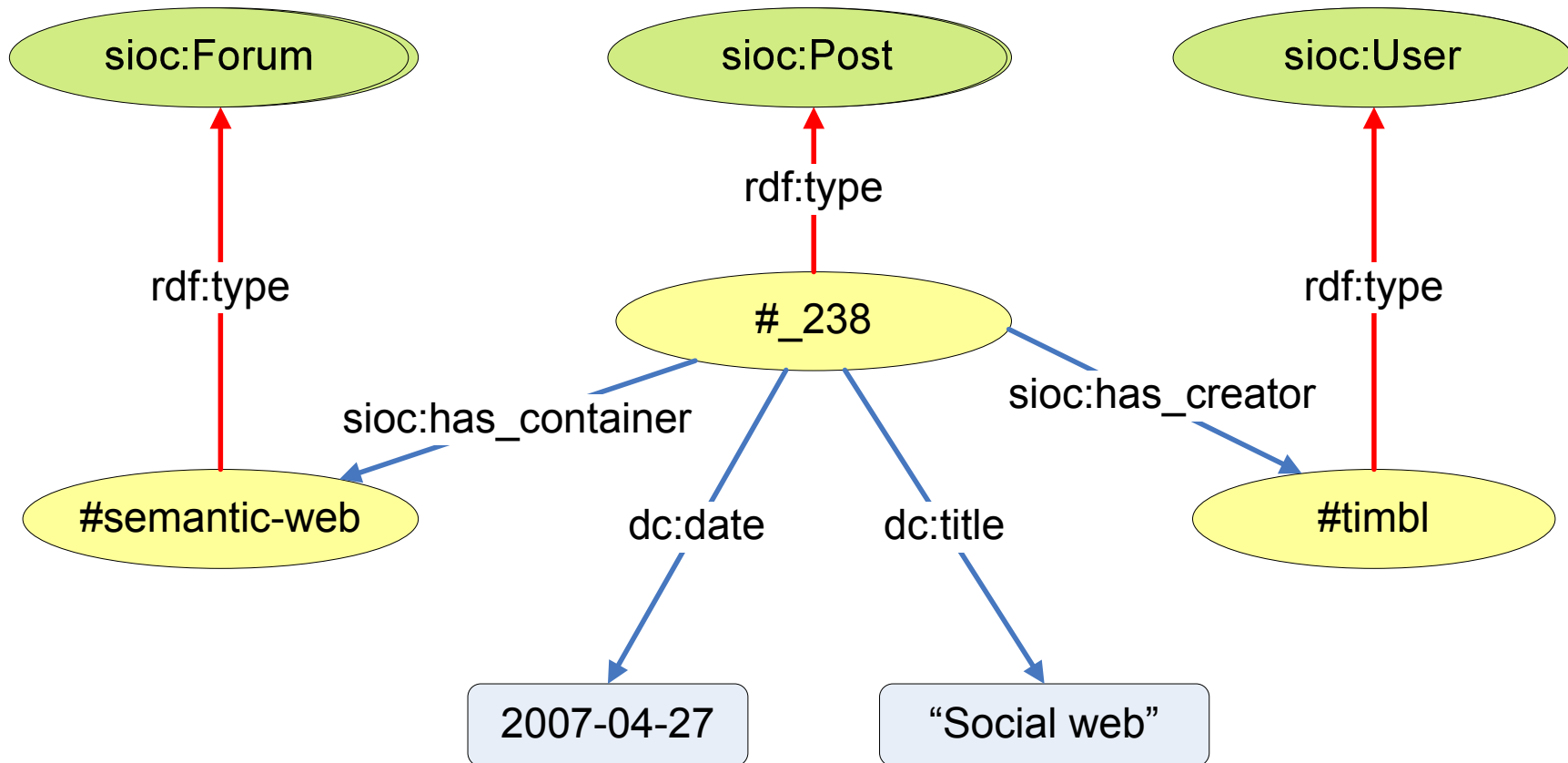
Hi,

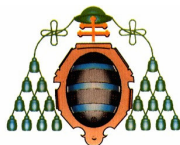
I have just finished the work [...]

Best regards

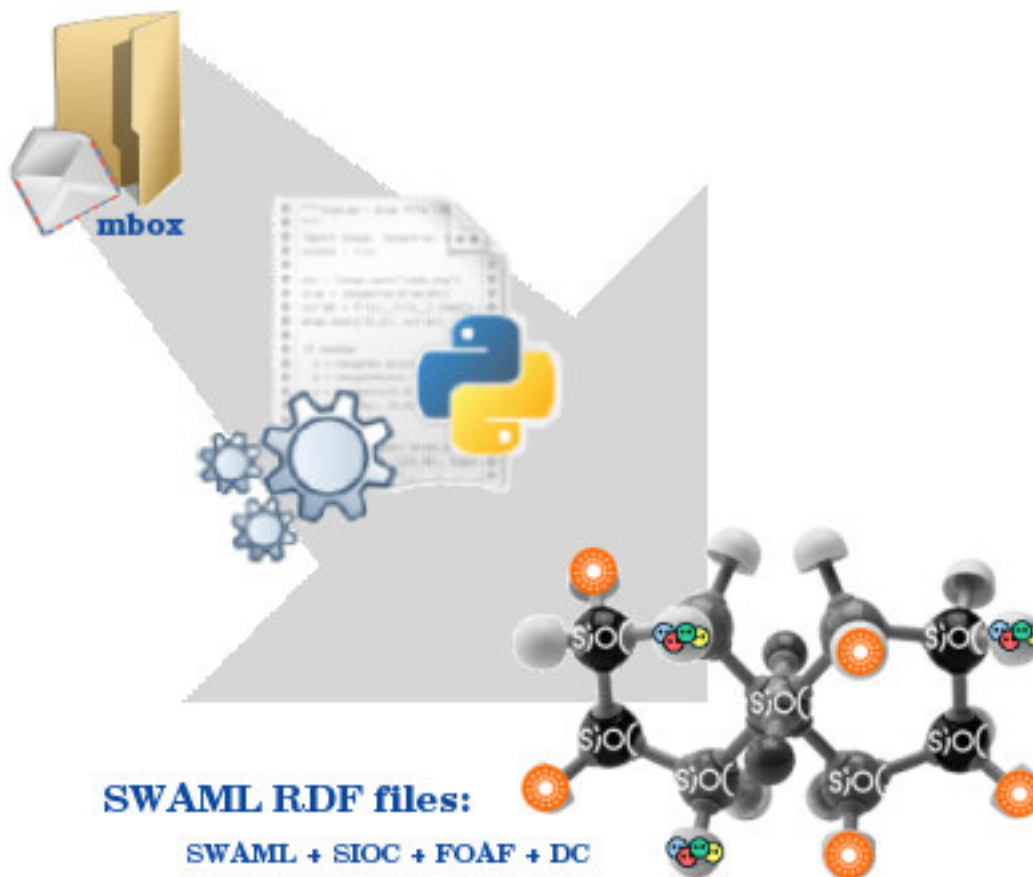


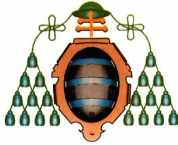
# SIOC





# SWAML



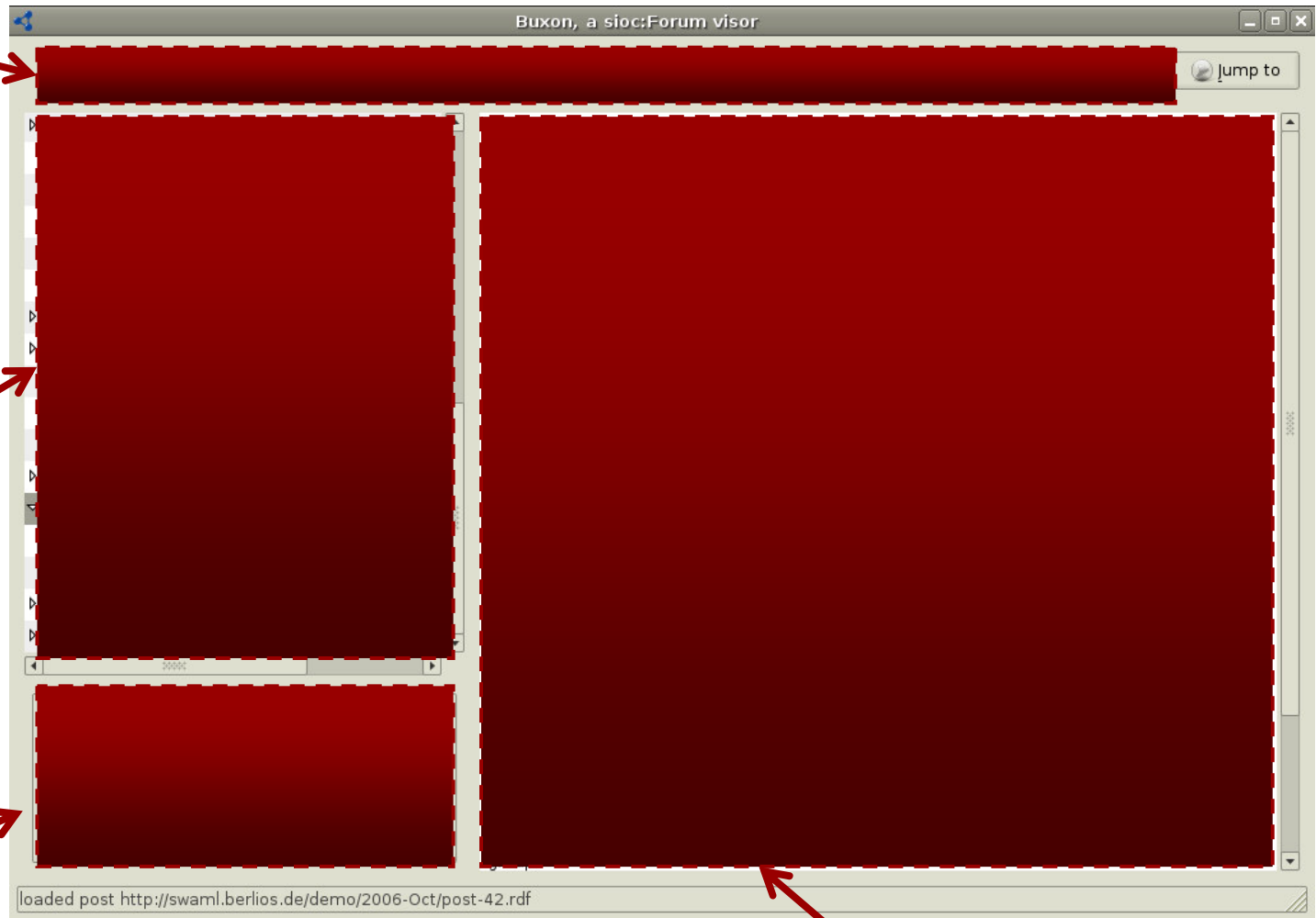


## Buxon

**sioc:Forum  
URI**

**Message  
threads**

**Search/filter  
features**

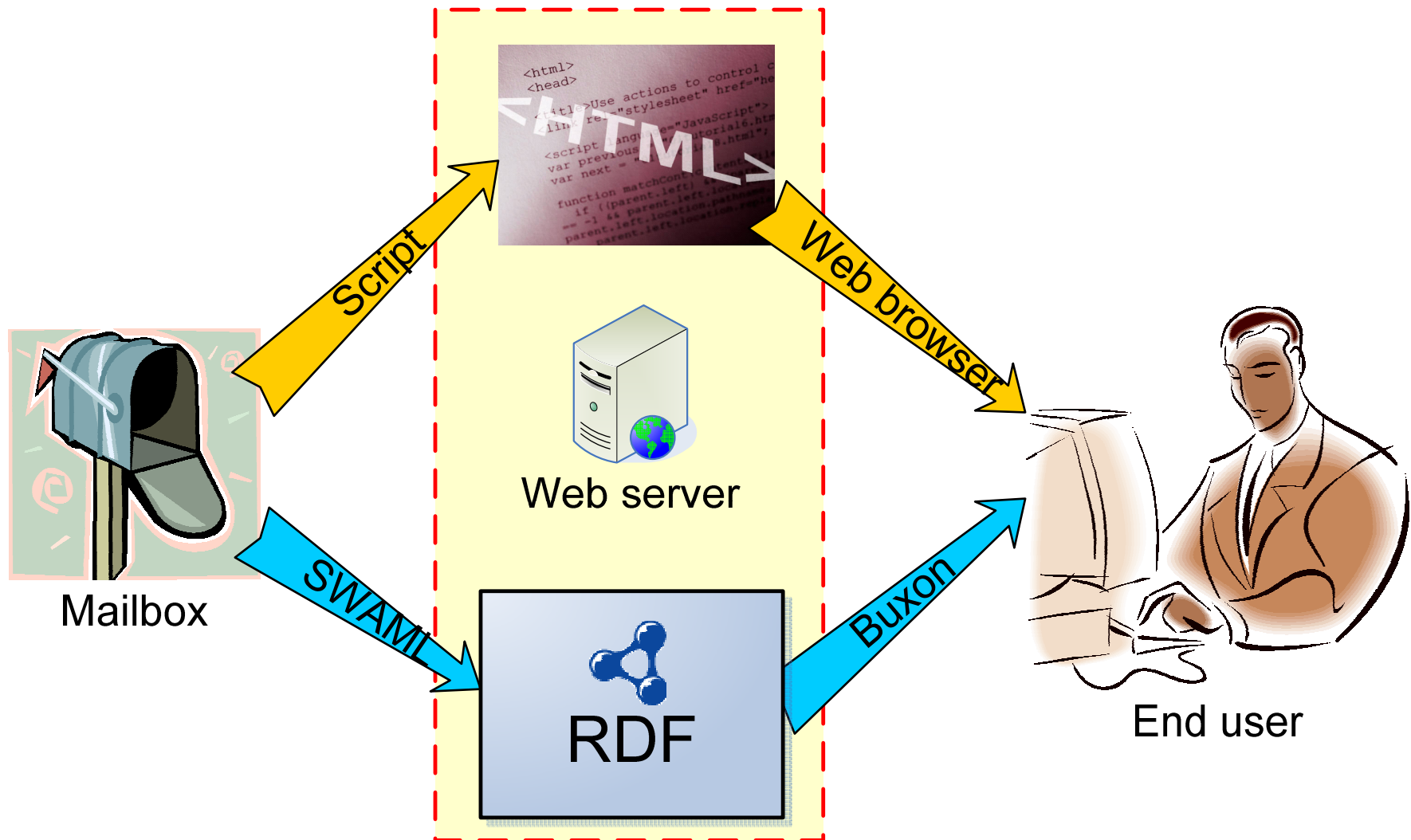


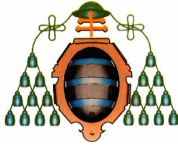
**Message details**





## Architecture overview






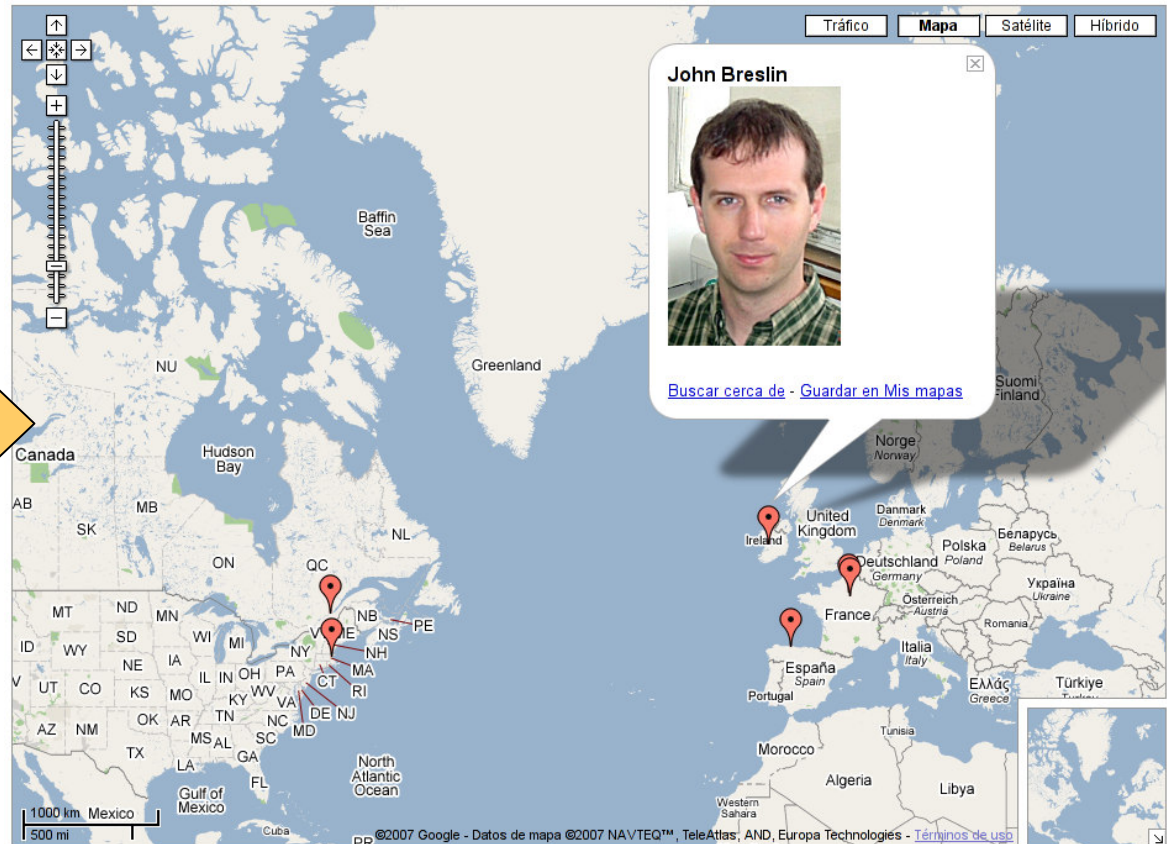
## We do mash-ups too!

  
Mailing list  
data in RDF



**SPARQL**

  
FOAF  
profiles





## Improving search results quality

The screenshot shows a Mozilla Firefox browser window with the address bar containing the search query. The page displays Google search results for the query "recursive DNS servers DDoS as a growing DDoS problem". The search results are listed in a vertical order, with each result including a link to the source, a brief description, and additional information like date and file size.

**recursive DNS servers DDoS as a growing DDoS problem** - [ Traduzca esta página ]  
We discussed **recursive DNS servers** before (**servers** which allow to query anything - including what they are not authoritative for, .  
[www.derkeiler.com/Mailing-Lists/securityfocus/bugtraq/2006-03/msg00003.html](http://www.derkeiler.com/Mailing-Lists/securityfocus/bugtraq/2006-03/msg00003.html) - 14k -  
[En caché](#) - [Páginas similares](#)

[SecuriTeam Blogs » Recursive DNS servers as a growing DDoS problem](#) - [ Traduzca esta página ]  
**Recursive DNS servers as a growing DDoS problem**. February 28th, 2006 by gadi, Filed under: Commentary. Hi guys. We discussed **recursive DNS servers** before ...  
[blogs.securiteam.com/index.php/archives/332](http://blogs.securiteam.com/index.php/archives/332) - 41k - [En caché](#) - [Páginas similares](#)

[Full Disclosure: recursive DNS servers DDoS as a growing DDoS problem](#) - [ Traduzca esta página ]  
**recursive DNS servers DDoS as a growing DDoS problem**. This message : [ Message body ] [ More options ]; Related messages : [ Next message ] [ Previous ...  
[seclists.org/fulldisclosure/2006/Feb/0697.html](http://seclists.org/fulldisclosure/2006/Feb/0697.html) - [Páginas similares](#)

[Bugtraq: RE: recursive DNS servers DDoS as a growing DDoS problem](#) - [ Traduzca esta página ]  
Subject: Re: **recursive DNS servers DDoS as a growing DDoS problem** > > 1.  
Resolvers and Authoritative nameservers must be separate and ...  
[seclists.org/bugtraq/2006/Apr/0066.html](http://seclists.org/bugtraq/2006/Apr/0066.html) - [Páginas similares](#)  
[ [Más resultados de seclists.org](#) ]

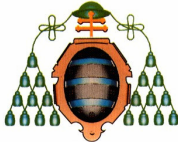
[recursive DNS servers DDoS as a growing DDoS problem](#) - [ Traduzca esta página ]  
Re: **recursive DNS servers DDoS as a growing DDoS problem**. From: Ventsislav Genchev. Re: **recursive DNS servers DDoS as a growing DDoS problem** ...  
[archive.cert.uni-stuttgart.de/bugtraq/2006/03/msg00003.html](http://archive.cert.uni-stuttgart.de/bugtraq/2006/03/msg00003.html) - 10k -  
[En caché](#) - [Páginas similares](#)

Objective: filter out  
repeated results



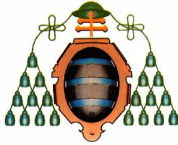
## Future work

- Merge RDF and HTML → RDFa
  - Integrate SWAML with existing scripts
- Access POP accounts
  - GMail support already available
- Publish data as a SPARQL endpoint
  - Efficient querying huge RDF graphs



## Conclusions and results

- Semantic Web technology can join “the social web” and “the social e-mail”
- A vast amount of information becomes available on the (Semantic) Web



More information and downloads:

<http://swaml.berlios.de/> 

Contact:

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[diego.berrueta@fundacionctic.org](mailto:diego.berrueta@fundacionctic.org) 

*Thank you for your attention!*