

<http://eprints.ecs.soton.ac.uk/id/eprint/22613>

Consuming Linked Data

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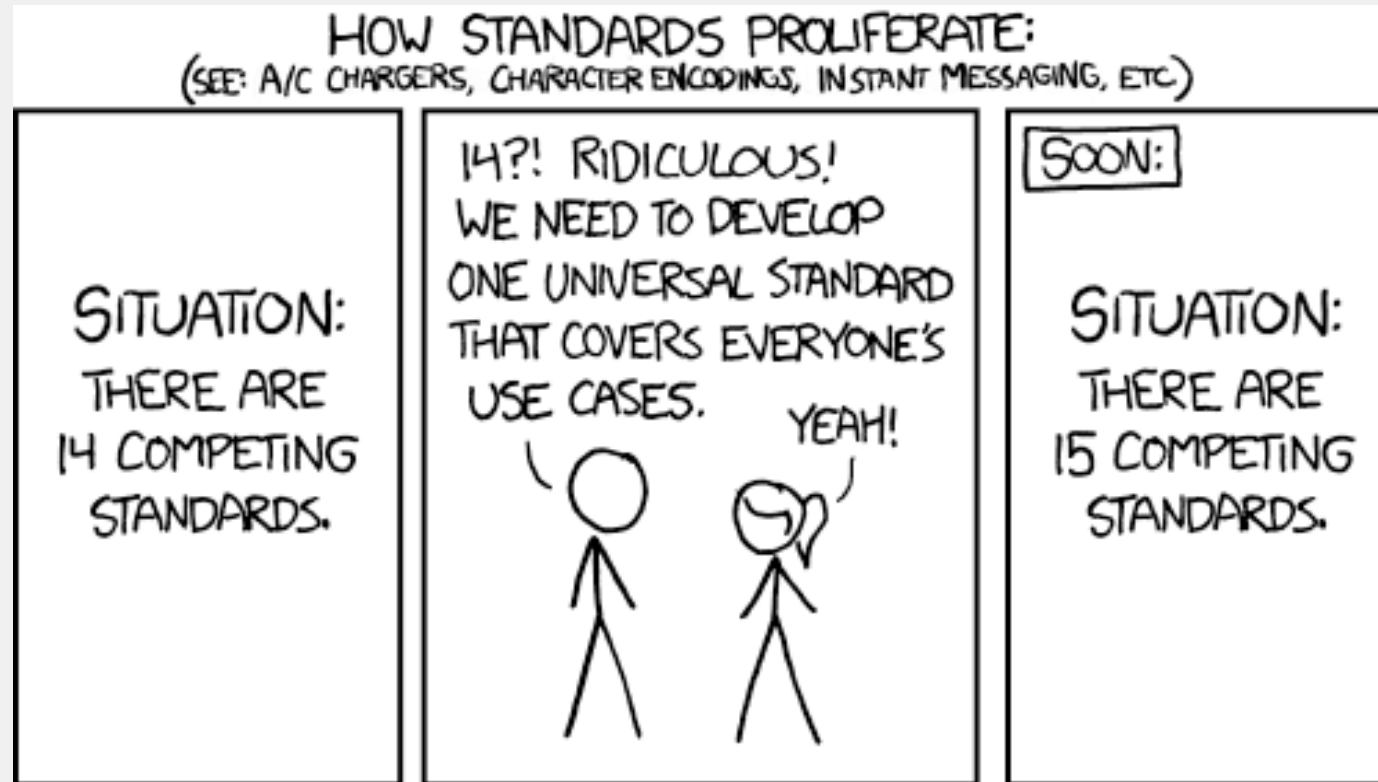
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School of Electronics
and Computer Science



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Down & Dirty - URIs



<http://imgs.xkcd.com/comics/standards.png>

Co-Reference

- **Lots of resources with multiple URIs**
 - This is the nature of the Beast
 - Legal, Sociological and Technical reasons
- **This is a Big Problem**
 - Everything is a URI (not title, name, number...)
 - Identifying multiple URIs for one resource
 - Rejecting incorrectly conflated resources
 - Publishing
 - Using
- **Solution**
 - Co-reference is just Knowledge, but quite special, and crucial, knowledge
 - Generating a new URI is not the solution to already having too many
 - The web is anarchic – don't try to impose impossible structure on it
 - Embrace the anarchy and multiple URIs in your systems ab initio

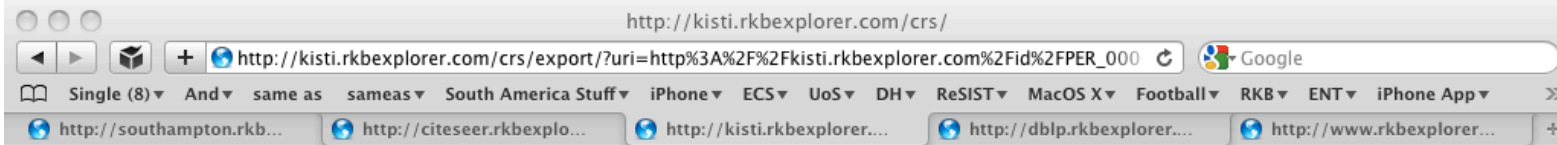
Co-Reference Service (CRS)

- **CRS Subsystem**
 - Find co-references
 - Store them
 - Publish them
 - Essentially:
 - $URI_i \rightarrow \{ URI_1, \dots, URI_i, \dots, URI_n \}$
 - Recommend a “Canon”
- **Published by the Data Publisher**
 - And possibly others
- **Middleware aggregates co-references from recognised CRSes**

CRS continued

- **CRS Policies are defined by context**
 - Often one per Triplestore
 - Can be many per Triplestore for different purposes
 - May not be associated with a particular Triplestore
- **Maintenance**
 - Provenance
 - Rollback
- **Can be used to infer owl:sameAs**
- **Eg OAI CRS has**
 - 7531045 different URIs
 - in
 - 2544955 bundles

Look up Seungwoo



kisti.rkbexplorer.com

[search](#) [query](#) [crs](#) [contact](#)

Canon

http://kisti.rkbexplorer.com/id/PER_0000000000000131417

Duplicate URIs

<http://acm.rkbexplorer.com/id/person-407157-c23d3b44f74d68cce281e3ff7795bf4c>

<http://citeseer.rkbexplorer.com/id/resource-CSP180445-4e6f59a7e2af5838836a83e27748b7ac>

<http://dblp.rkbexplorer.com/id/people-1ec5a600299222dd6374695ef5214f05-3aac82bb29cfbecfc2e83d8b23349445>

http://kisti.rkbexplorer.com/id/PER_0000000000000131417

Bundle instantiated at

2009-12-20 02:39:10

Alternative representations

[RDF/XML](#)

[sameAs list in N3](#)

[image/png](#)



Seme4.com

Co-Reference Closure

Complete Co-Reference Information

This service computes the equivalence class within the known URIs for a specified URI, by consulting all relevant CRS knowledge bases.

Go

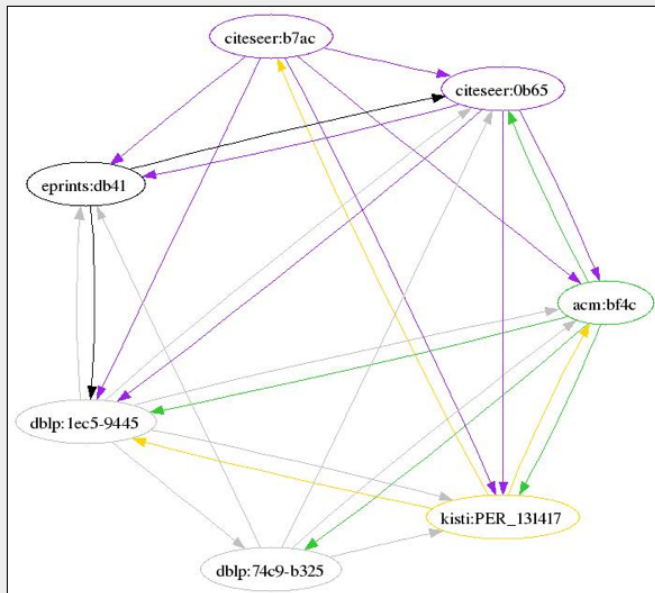
Display all related triples? ☐

Display connectivity image? ☒ None ☐ JPEG ☐ PNG ☐ GIF ☐ Postscript ☐ SVG

Equivalent URIs...

1. **(Canon)** <http://acm.rkbexplorer.com/id/person-407157-c23d3b44f74d68cce281e3ff7795bf4c>
2. <http://citeseer.rkbexplorer.com/id/resource-CSP180445-4e6f59a7e2af5838836a83e27748b7ac>
3. <http://citeseer.rkbexplorer.com/id/resource-CSP180445-e8a3df831f61dc5892835f5sec100b65>
4. <http://dblp.rkbexplorer.com/id/people-1ec5a600299222dd6374695ef5214f05-3aac82bb29cfbecfc2e83d8b23349445>
5. <http://dblp.rkbexplorer.com/id/people-74c9b4bc601253864bbb6e2f83244264-b4da84ca0a3d5fe19b5c36c45fe3b325>
6. <http://eprints.rkbexplorer.com/id/kfupm/person-1ec5a600299222dd6374695ef5214f05-5c14713b5937e6d31a4714469e60db41>
7. http://kisti.rkbexplorer.com/id/PER_0000000000000131417

The following diagram shows the interconnectivity between the CRS knowledge bases which maintain the context-dependent representation of coreference for each of the RKBExplorer domains.



<http://acm.rkbexplorer.com/id/person-407157-c23d3b44f74d68cce281e3ff7795bf4c>

Showing information queried from all repositories ...

Subject	Property	Object/Value	Source
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	acm-periodicals.rdf >>
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	acm-proceedings.rdf >>
Seungwoo Lee	akt:full-name	Seungwoo Lee [Explore]	dblp-publications-2001.rdf >>
Seungwoo Lee	akt:has-affiliation	Electrical and Computer Engineering Division, Pohang University of Science & Technology (POSTECH), Pohang, South Korea. gblee@postech.ac.kr	acm-periodicals.rdf >>
Seungwoo Lee	akt:has-affiliation	POSTECH, Pohang, Korea	acm-proceedings.rdf >>
Seungwoo Lee	kisti:engNameOfPerson	Seungwoo Lee [Explore]	datatypeproperties.ttl >
Seungwoo Lee	rdf:type	akt:Affiliated-Person	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	akt:Affiliated-Person	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	Generic Agent	dblp-publications-2001.rdf >>
Seungwoo Lee	rdf:type	akt:Person	acm-periodicals.rdf >>
Seungwoo Lee	rdf:type	akt:Person	acm-proceedings.rdf >>
Seungwoo Lee	rdf:type	akt:Person	dblp-publications-2001.rdf >>
Seungwoo Lee	rdf:type	PER_char(20)^^^	datatypeproperties.ttl >
Seungwoo Lee	rdf:type	PER_char(20)^^^	objectproperties.ttl >>
Seungwoo Lee	rdf:type	PER_char(20)^^^	resources.ttl >>

Subject	Property	Object	Source
Automatic acquisition of named entity tagged corpus from world wide web	akt:has-author	Seungwoo Lee	acm-proceedings.rdf >>
A Corpus-Based Learning Method of Compound Noun Indexing Rules for Korean	akt:has-author	Seungwoo Lee	acm-periodicals.rdf >>
SiteQ: Engineering High Performance QA System Using Lexico-Semantic Pattern Matching and Shallow NLP.	akt:has-author	Seungwoo Lee	dblp-publications-2001.rdf >>
A Corpus-Based Learning Method of Compound Noun			dblp-publications-2001.rdf >>



LINKED DATA SOLUTIONS

Seme4.com

sameAs

http://sameas.org/ Google

Single (8) And same as sameas South America Stuff iPhone ECS UoS DH ReSIST MacOS X Football RKB ENT iPhone App

<sameAs>

interlinking the Web of Data

The Web of Data has many equivalent URIs. This service helps you to find co-references between different data sets. Enter a known URI, or use Sindice to search first.


<sameAs> Enter a Linked Data URI...

Sindice Enter a literal (text) search...

Why not try searching for the string "[Southampton](#)", (which we will look up for you on [Sindice](#) first) or finding other equivalent identifiers for <http://transport.data.gov.uk/id/local-authority/1755>?

Currently serving **39 221 073** URIs in **13 112 833** bundles!


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<sameAs>

interlinking the Web of Data

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This service helps you to find co-references
between different data sets.
Enter a known URI, or use Sindice to search first.

<sameAs> 

Equivalent URIs for http://acm.rkbexplorer.com/id/person-344165-529a2367796b9822d610a72843a3980c –

<sameAs>

1. <http://data.semanticweb.org/person/atanas-kiryakov>
2. <http://acm.rkbexplorer.com/id/person-344165-529a2367796b9822d610a72843a3980c>
3. <http://acm.rkbexplorer.com/id/person-344165-be4c940af0b483a2d1675df9fa0bab6f>
4. <http://acm.rkbexplorer.com/id/person-344165-c23ba3f792faeca763400f197b89adb1>
5. <http://acm.rkbexplorer.com/id/person-344165-e0b9eea0f283efab1c5ae86ad61bf111>
6. <http://acm.rkbexplorer.com/id/person-344165-fa8e9aed948670c2accad97a4320122d>
7. <http://dblp.rkbexplorer.com/id/people-2ceb8136f69a235014d3d46c881a1...86ce3c9dc7>
8. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...f7185e51d3>
9. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...88ed85ab7e>
10. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...601d0b0236>
11. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...b93fb59e9f>
12. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...872498927e>
13. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...f41b54ff75>
14. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...3621e49944>
15. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...3a2580ac89>
16. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...b8848ff4e0>
17. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...6922936d8c>
18. <http://dblp.rkbexplorer.com/id/people-c9d93beb4ba98fa7318516e5fb5f9...c42f7e7ace>
19. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-13aaf289f2945...80cea8e74c>
20. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-2897e9670649a...00d1d4c62c>
21. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-4bfe00e2ed7ef...904f25f2f2>
22. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-64595ee407c94...7867a8505d>
23. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-6b4779db34ec9...afd234cdc4>
24. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-7896446de27c6...8f39db880b>
25. <http://citeseer.rkbexplorer.com/id/resource-CSP162937-8ac5adb3359f3...213751b546>

What is Southampton?

sameAs « <http://transport.data.gov.uk/id/local-authority/1755>

« [http://sameas.org/html?uri=http%3A%2F%2Ftransport.data.gov.uk%2Fid%2Flocal-authority%2F1755](#) » Google

Single (8) ▾ And ▾ same as sameas ▾ South America Stuff ▾ iPhone ▾ ECS ▾ UoS ▾ DH ▾ ReSIST ▾ MacOS X ▾ Football ▾ RKB ▾ ENT ▾ iPhone App ▾ »

sameAs « <http://transport.data.g...> »

<sameAs>

13. http://dbpedia.org/resource/Southampton_City_Centre
14. http://dbpedia.org/resource/Southampton,_England
15. http://dbpedia.org/resource/Southampton,_Hampshire
16. http://dbpedia.org/resource/Southampton_City_Council
17. [http://dbpedia.org/resource/Southampton_\(district\)](http://dbpedia.org/resource/Southampton_(district))
18. <http://www.okkam.org/ens/id13973975-c3dd-47e7-8e35-f09428d8723c>
19. <http://unlocode.rkbexplorer.com/id/GBSOU>
20. <http://unlocode.rkbexplorer.com/description/GBSOU>
21. <http://os.rkbexplorer.com/osr/7000000000037256>
22. <http://d.opencalais.com/en/geo/city/ralg-geo1/8687634d-b732-c7f1-b3...3194e82d15>
23. <http://data.nytimes.com/N8998838277808400221>
24. http://data.nytimes.com/southampton_england_geo
25. <http://data.ordnancesurvey.co.uk/id/7000000000037256>
26. <http://linkedgeodata.org/triify/node/285832#id>
27. <http://mortality.psi.enakting.org/id/Southampton>
28. <http://mpii.de/yago/resource/Southampton>
29. <http://nuts.psi.enakting.org/id/UKJ32>
30. <http://openlylocal.com/id/councils/377>
31. <http://rdf.freebase.com/ns/en.southampton>
32. <http://rdf.freebase.com/ns/guid.9202a8c04000641f800000000075d87>
33. <http://rdf.freebase.com/ns/guid.9202a8c04000641f8000000004825363>
34. <http://revyu.com/tags/southampton>
35. <http://statistics.data.gov.uk/id/local-authority/00MS>
36. <http://statistics.data.gov.uk/id/local-authority/24UM>
37. <http://statistics.data.gov.uk/id/county?name=Southampton>
38. <http://statistics.data.gov.uk/id/local-authority-district/00MS>
39. <http://statistics.data.gov.uk/id/local-authority-district?name=Southampton>
40. <http://statistics.data.gov.uk/id/local-authority?name=Southampton City Council>
41. <http://statistics.data.gov.uk/id/local-authority-district?name=The ...outhampton>
42. <http://sw.cyc.com/concept/Mx4rvViRB5wpEbGdrcN5Y29ycA>
43. <http://sw.opencyc.org/concept/Mx4rvViRB5wpEbGdrcN5Y29ycA>
44. <http://sw.opencyc.org/concept/Mx4rvx6ncZwpEbGdrcN5Y29ycA>
45. <http://sw.opencyc.org/2008/06/10/concept/Mx4rvViRB5wpEbGdrcN5Y29ycA>
46. <http://sw.opencyc.org/2008/06/10/concept/Mx4rvx6ncZwpEbGdrcN5Y29ycA>
47. <http://sw.opencyc.org/2009/04/07/concept/Mx4rvViRB5wpEbGdrcN5Y29ycA>
48. <http://sw.opencyc.org/2009/04/07/concept/Mx4rvx6ncZwpEbGdrcN5Y29ycA>
49. <http://sw.opencyc.org/2008/06/10/concept/en/CityOfSouthamptonEngland>
50. <http://sw.opencyc.org/2009/04/07/concept/en/CityOfSouthamptonEngland>
51. http://sw.opencyc.org/2008/06/10/concept/en/Southampton_ParishBermuda
52. http://sw.opencyc.org/2009/04/07/concept/en/Southampton_ParishBermuda
53. <http://sws.geonames.org/2637487/>
54. <http://transport.data.gov.uk/id/local-authority/1755>
55. <http://transport.data.gov.uk/id/local-authority-district/1755>
56. <http://umbel.org/umbel/ne/wikipedia/Southampton>
57. <http://www.twine.com/item/1r2lcxqy-r1z>

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sameAs « <http://data.archiveshub.ac.uk/id/pers...leconomist>


« <http://sameas.org/?uri=http://data.archiveshub.ac.uk/id/person/gb248/smithadam> » Google

<sameAs>

interlinking the Web of Data

The Web of Data has many equivalent URIs.
This service helps you to find co-references
between different data sets.
Enter a known URI, or use Sindice to search first.

<sameAs> 🔍

 🔍

Equivalent URIs for <http://data.archiveshub.ac.uk/id/person/gb248/smithadam1723-1790pol...leconomist> –

<sameAs> {

1. http://dbpedia.org/resource/A_Smith
2. http://dbpedia.org/resource/Adam_Smith
3. http://dbpedia.org/resource/Adam_smith
4. http://dbpedia.org/resource/Vile_maxim
5. http://dbpedia.org/resource/Smith,_Adam
6. http://dbpedia.org/resource/Smith,_Adam
7. http://dbpedia.org/resource/Adam_Smith#Quotes
8. <http://d-nb.info/gnd/118615033>
9. <http://data.archiveshub.ac.uk/id/person/gb248/smithadam1723-1790pol...leconomist>
10. http://mpii.de/yago/resource/Adam_Smith
11. <http://quotationsbook.com/author/6779>
12. <http://rdf.freebase.com/ns/guid.9202a8c04000641f80000000000065ab>
13. <http://sw.opencyc.org/2008/06/10/concept/en/AdamSmith>
14. <http://sw.opencyc.org/2009/04/07/concept/en/AdamSmith>
15. <http://sw.opencyc.org/concept/Mx4rwSxnQZwpEbGdrcN5Y29ycA>
16. <http://sw.opencyc.org/2008/06/10/concept/Mx4rwSxnQZwpEbGdrcN5Y29ycA>
17. <http://sw.opencyc.org/2009/04/07/concept/Mx4rwSxnQZwpEbGdrcN5Y29ycA>
18. http://umbel.org/umbel/ne/wikipedia/Adam_Smith
19. <http://viaf.org/viaf/49231791>
20. http://www4.wiwiw.fu-berlin.de/gutendata/resource/people/Smith_Adam_1723-1790

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sameAs « http://d-nb.info/gnd/4126114-8

◀ ▶ ↺ ↻

Word

+

http://sameas.org/store/kelle/?uri=http://d-nb.info/gnd/4126114-8

↻

Google

⌵

<sameAs>

interlinking the Web of Data

The Web of Data has many equivalent URIs. This service helps you to find co-references between different data sets.


<sameAs>

http://d-nb.info/gnd/4126114-8

🔍

Consult the main **sameas.org** as well? ☐

Enter a known URI, or use Sindice to search first.

sindice

Enter a literal (text) search...

🔍

Consult the main **sameas.org** as well? ☐

This is a sub-service of the sameAs service, and contains **only** information that is provided by a third party.

The data presented here relates to Hugh's experiment in gathering together library subject and associated data from good sources. It is likely to form part of a forthcoming project in the library area.

Equivalent URIs for http://d-nb.info/gnd/4126114-8 –

<sameAs>

{

1. http://bnb.data.bl.uk/id/concept/lcsh/Nazis

2. http://d-nb.info/gnd/4126114-8

3. http://id.loc.gov/authorities/sh85090140#concept

4. http://id.ndl.go.jp/auth/bsh4/00788800

5. http://id.ndl.go.jp/auth/ndlsh/00323199

6. http://stitch.cs.vu.nl/vocabularies/rameau/ark:/12148/cb13319397h

7. http://viaf.org/viaf/sourceID/LCIn_79053942

}

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Where Was I? :- Consuming Linked Data

- **Linked Data Browsers?**
 - Just soooooo boring
 - And not real user
- **Semantic Web Applications?**
 - Revolution, not evolution
 - Confuse presentation and data
- **Think about other people consuming**
 - Publishing isn't exciting any more
- **Provide appropriate services in appropriate formats**
 - Consumable by “normal” systems
 - This means
 - Useful – doing useful things
 - RESTful – easy to access
 - JSON – easy to process
 - ...

RKBExplorer » People » Hugh Glaser

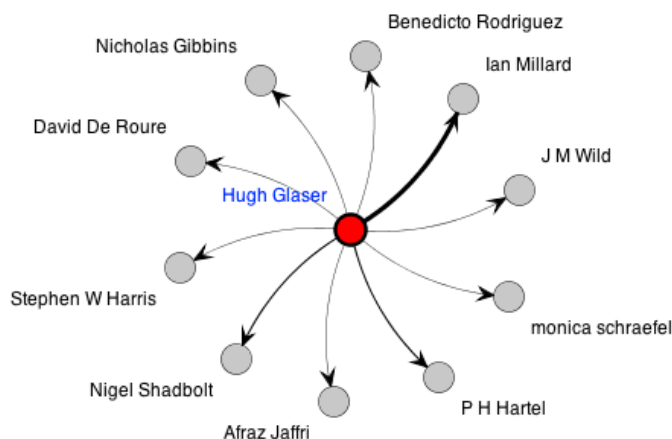
Search...

Search

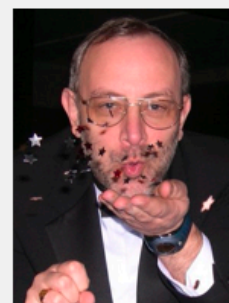
- about
- help
- contact
- system requirements
- data sources
- acknowledgements



Related people



Details



Full Name:
[Hugh Glaser](#)

Full Name:
[H Glaser](#)

People

[Ian Millard](#)

[P H Hartel](#)

[Nigel Shadbolt](#)

[Afraz Jaffri](#)

[Nicholas Gibbins](#)

[Benedicto Rodriguez](#)

[Stephen W Harris](#)

[David De Roure](#)

[J M Wild](#)

Organisations

[University of Southampton](#)

[Declarative Systems and Software Engineering](#)

[Intelligence, Agents, Multimedia Group](#)

Publications

[The Dataflow Programming Language CAJOLE - An Informal Introduction](#)

[Compilation of functional languages using flow graph analysis](#)

[Museum data, where next – consuming linked data](#)

[Consuming multiple linked data sources: Challenges and Experiences](#)

[Faceted Classification Scheme ODP](#)

Projects

[ReSIST Resilience for Survivability in IST](#)

[A DISTRIBUTED APPLICATION GENERATOR IN THE SEARCH/OPTIMISATION DOMAIN](#)

[GRAPHICSLA : GRAPHICAL PROGRAMMING AND DISTRIBUTED THREADS](#)

[HELIOS](#)

RKBExplorer » People » Wendy Hall

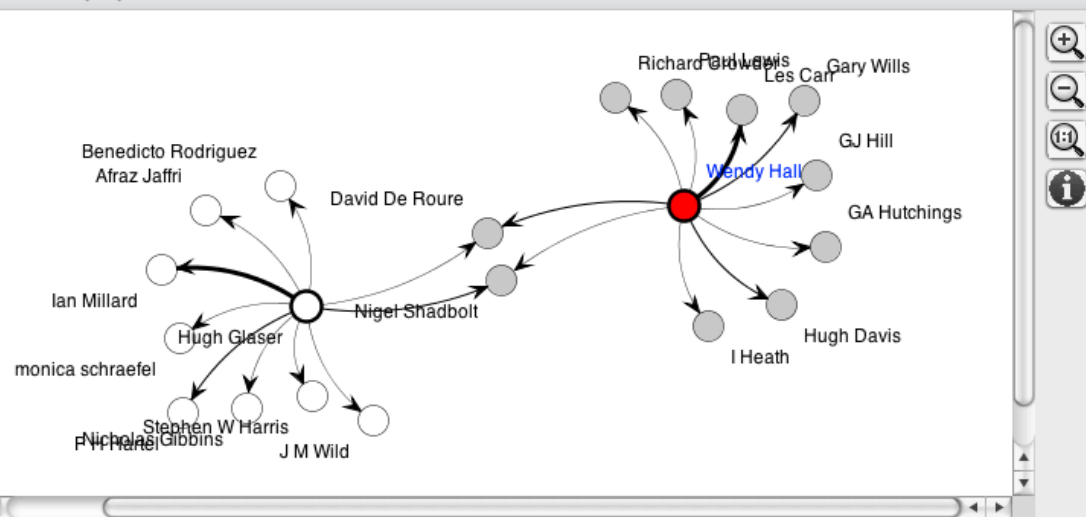
Search...

Search

- about
- help
- contact
- system requirements
- data sources
- acknowledgements



Related people



Details

Email Address:
wh@ecs.soton.ac.uk

Email Address:
wh@ecs.soton.ac.uk

Web Address:
<http://www.ecs.soton.ac.uk/people/>

Web Address:
<http://users.ecs.soton.ac.uk/wh/>

Description:
Dame Wendy Hall DBE, FREng, FBCS, FIET, FCGI, FRS (born 25 October 1952) is Professor of Computer Science at the University of Southampton.

People

- [Les Carr](#)
- [David De Roure](#)
- [Hugh Davis](#)
- [Gary Wills](#)
- [Richard Crowder](#)
- [I Heath](#)
- [Paul Lewis](#)
- [GA Hutchings](#)
- [GJ Hill](#)

Research Areas

- [H.5.4. Hypertext/Hypermedia](#)
- [H.5.1. Multimedia Information Systems](#)
- [I.7.2. Document Preparation](#)
- [H.5. INFORMATION INTERFACES AND PRESENTATION](#)
- [Artificial Intelligence Technologies](#)
- [Cognitive Science and its Applications](#)

Publications

- [Preserving Linked Data on the Semantic Web by the application of Link Integrity techniques from Hypermedia](#)
- [Put in your postcode, out comes the data: A Case Study](#)
- [Use of the Semantic Web in e-Research](#)
- [All About That - A URI Profiling Tool for monitoring and preserving Linked Data](#)
- [Building a Distributed Infrastructure for Scalable Triple Stores.](#)

Projects


- [IMI: DARP: KNOWLEDGE CAPTURE, SHARING AND REUSE IN THE DESIGN PROCESS \(KCSR\)](#)
- [MULTIMEDIA THESAURUS AND INTELLIGENT AGENT SUPPORT FOR CONTENT BASED NAVIGATION](#)
- [QUERIES IN CONTEXT \(QUIC\)](#)
- [Visiting Fellowship - Professor Ted Nelson](#)
- [Collaborative Orthopaedic Research Environment](#)

http://www.rkbexplorer.com/connections/

http://www.rkbexplorer.com/cop/explain.php?type=person-person&source=http%3A%2F%2Fsoutham

Single (8) And same as sameas South America Stuff iPhone ECS UoS DH ReSIST MacOS X Football RKB ENT iPhone App

http://www.rkbexplorer.com/con...



www.rkbexplorer.com

Wendy Hall is connected to Les Carr

They are linked by 127 relations.

Publications

They have co-authored 120 papers:

- [Enhancing the Distributed Link Service for Multimedia and Collaboration](#)
- [Citation Linking: Improving Access to Online Journals](#)
- [Web Journals Publishing: a UK Perspective](#)

(117 more)

Affiliations

They are both affiliated to 2 organizations:

- [School of Electronics and Computer Science](#)
- http://kisti.rkbexplorer.com/id/INS_0000000000000006193

Projects

They are both members of 3 projects:

- [QUERIES IN CONTEXT \(QUIC\)](#)
- [Visiting Fellowship - Professor Ted Nelson](#)
- [COHSE: INFORMED WWW LINK NAVIGATION USING ONTOLOGIES](#)

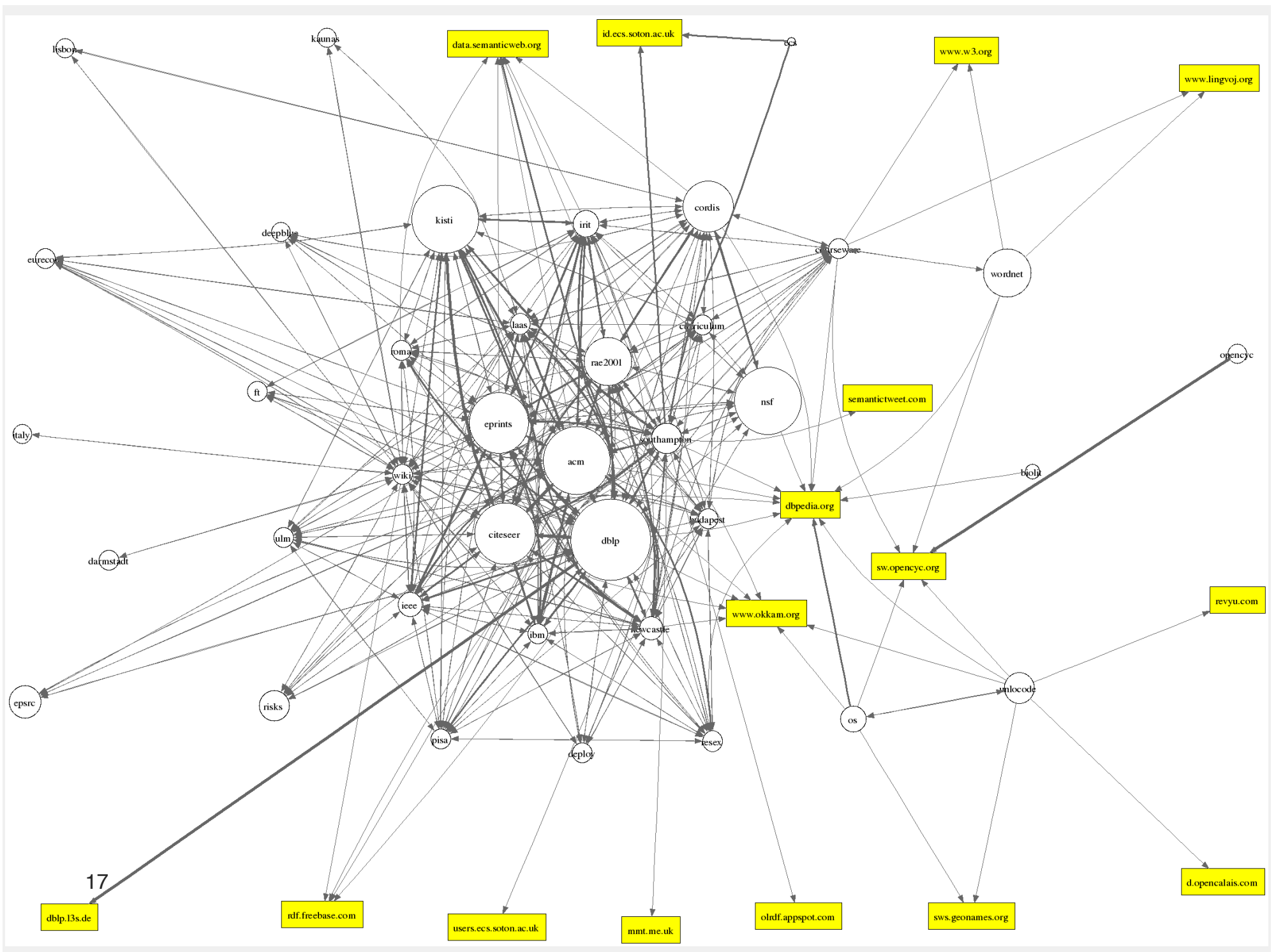
Projects

They are both contacts for the [Collaborative Orthopaedic Research Environment](#) project.

Organisation

They are both affiliated to: [School of Electronics and Computer Science](#)

Why?



In the OAI.rkbexplorer.com Repository

```
Small — ssh — 154x29 — 88
[hg@cohen data]$ l
ar az bg bw ch co cu de edu es fr gh hk id in is jp kz mx net nl org ph pt sa si tw uk ve za
at bd bo by cl com cy dk ee et fx gov hr ie int it kg lk my ng no other pk ro se th ua us ws zw
au be br ca cn cr cz ec eg fi gb gr hu il ir jm kr mil na ni nz pe pl ru sg tr ug uy yu
[hg@cohen data]$ l in
Allama-Iqbal-Library-Digital-Collection
Bioinformation
DSpace-INFLIBNET-Home
DSpace-at-Bangalore-Management-Academy-Home
DSpace-at-Guru-Gobind-Singh-Indraprastha-University-Delhi
DSpace-at-ICFAI-BUSINESS-SCHOOL-IBS-Ahmedabad
DU-Eprint-Archive
Delhi-College-of-Engineering
Digital-Knowledge-Repository-of-Central-Drug-Research-Institute-DKR-CDRI
Dspace-IIA-Indian-Institute-of-Astrophysics
Dyuthi-at-CUSAT
EPrints-IIT-Delhi-Home
ETD-IISc-Electronic-Theses-and-Dissertations-at-Indian-Institute-of-Science
Eprints-MDRF
Eprints-NML
Eprints-SBT-MKU
ISI-Library-Bangalore
Indian-Institute-of-Information-Technology
Indian-Institute-of-Management-Kozhikode
Indian-Institute-of-Science-Bangalore-India
Institutional-repository-at-MDI
Kautilya
Librarians-Digital-Library
[hg@cohen data]$ 
MedknowEprints
NAL-IR
NISCAIR-ONLINE-PERIODICALS-REPOSITORY-NOPR
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National-Centre-for-Catalysis-Research-IIT-Catalysis-Database
National-Institute-Of-Oceanography-India
National-Institute-of-Immunology-NII-India
National-Institute-of-Technology-Rourkela-India
National-chemical-Laboratory-Pune
OneWorld-South-Asia-Open-Archive-Initiative
Open-Access-Repository-of-Indian-Theses
OpenMED-NIC
Rajiv-Ghandi-Center-For-Biotechnology
Raman-Research-Institute-Digital-Repository
S-V-National-Institute-of-Technology-Repository
Welcome-to-ethesis-nitr-ethesis
commands.sh
ePrints-IIMK-Indian-Institute-of-Management-Kozhikode-Scholarship-Repository
eprints-immt
fetch.log
http-www-freewebs-com-siddhapapers-20071109114146
last_update
roar_list.csv
```

Open System

- **RKBExplorer is only one interface**
 - And not a required part
- **Services:**
 - Details for a paper (the right hand pane in RKBExplorer):
 - <http://www.rkbexplorer.com/detail/?uri=http://southampton.rkbexplorer.com/id/eprints-12614>
 - Network of people for a publication (lower pane):
 - <http://www.rkbexplorer.com/network/?uri=http://southampton.rkbexplorer.com/id/eprints-12614&type=publication-person>
 - ...
- **Services**
 - <http://www.rkbexplorer.com/services/>

http://www.rkbexplorer.com/services/

http://www.rkbexplorer.com/services/ Google

iGoogle Gadgets of the RKB Panels
[\[Main Page\]](#)

Complete Co-Reference Information
[\[Main Page\]](#),
or try: [Nigel Shadbolt](#), [Hugh Glaser](#), [Brian Randell](#), [Jean-Claude Laprie](#), [Seungwoo Lee](#)

Ontology Mapping
[\[Main Page\]](#),
or try: [KISTI -> AKT \(RDF, html\)](#);

Networks (Communities of Practice)
[\[Find the Network of a URI\]](#),
or try: [Hugh Glaser](#), [The Semantic Web Revisited](#), [Tim Berners-Lee](#)

Detail Information
[\[Find Information about a URI\]](#),
or try: [Hugh Glaser](#), [The Semantic Web Revisited](#), [Tim Berners-Lee](#)

Why? - Why are two Things Related?
[\[Main Page\]](#),
or try: [Nigel Shadbolt to Wendy Hall](#) or [Jean-Claude Laprie to Brian Randell](#) or ["The Semantic Web Revisited" to "Building a Pragmatic Semantic Web"](#)

Papers related by content
[\[Main Page\]](#),
or try: [Exception Handling and Software-Fault Tolerance](#), [NFTAPE: networked fault tolerance and performance evaluator](#)

Search
[\[Main Page\]](#),
or try: [Hugh Glaser](#) in people, [Linked Data](#) in publications.

Do Coref by matching Paper Titles
[\[Main Page\]](#)

View RKB Linkage
[\[Main Page\]](#),
or try: [SVG Version](#)

- Contact
- Research and Projects
- Publications
- Homepage

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Search



**School of Electronics and Computer Science
University of Southampton
Southampton
SO17 1BJ
United Kingdom**

Fax: +44 (0)23 8059 3045

Email: hg@ecs.soton.ac.uk

URI: <http://id.ecs.soton.ac.uk/person/21> [browse]

Interests: genetic algorithms, ontology maintenance, semantic grid, semantic squirrels, semantic web, semantic wiki, service composition, ubiquitous computing, web 2.0

The group secretary for the Intelligence, Agents, Multimedia Group is Jane Morgan.

I may be here

ECS - Staff Training Budget
ECS - Travel Budget
Staff Teaching allocation (with Mark Zwolinski)



Hugh Glaser

- Dr Ian Millard (explain)
- Professor Nigel R Shadbolt (explain)
- Afraz O Jaffri (explain)
- Dr Nicholas Gibbins (explain)
- Bene Rodriguez-Castro (explain)
- Professor David C De Roure (explain)
- Leslie Carr (explain)
- Dr Harith Alani (explain)
- dr monica mc schraefel (explain)
- Dr. Manuel Salvadores (explain)
- Gianluca Corrado (explain)

This list of people is sourced from RKBExplorer, the result of an ECS project. Click on the "explain" link to the right of each person to find out how they are connected.

Note: the explain link requires heavy processing and may take some time to load.

[Contact and Biography](#)
[Research and Projects](#)
[Publications](#)
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Search



**School of Electronics and Computer Science
University of Southampton
Southampton
SO17 1BJ
United Kingdom**

Positions: Head of Group in [Grid and Pervasive Computing Group](#), Academic staff in [Intelligence, Agents, Multimedia Group](#)
Extension: 22418
Telephone: +44 (0)23 8059 2418
Email: dder@ecs.soton.ac.uk
URI: <http://id.ecs.soton.ac.uk/person/47> [browse]

Interests: agent-based computing, amorphous computing, arts and humanities applications, audio, autonomic computing, chemoinformatics, collaborative tools, computers and music, decentralised systems, distributed programming languages, distributed systems, dr who, e-learning, e-research, e-science, e-social science, electronic lab notebooks, electronic systems design, environmental monitoring, folksomnies, grid, grid computing, grid standards, hardware-software codesign, hypertext, information systems, intelligent sensor networks, interaction, ipv6, linux, lisp, middleware, multi user dungeons, multicast, multimedia, music, music information retrieval, nature inspired computing, open access, open hypermedia, open journals, open source, pervasive computing, provenance, pdf, recommender systems, scheme, scholarly communications, scripting languages, self-organising systems, semantic annotation, semantic grid, semantic web, sensor networks, service-oriented architectures, simulation, social networks, social tagging, surge, technology-enhanced learning, ubiquitous computing, virtual research environments, visual programming, web, web 3.0, web science, web services, web standards, workflow

The group secretary for the Intelligence, Agents, Multimedia Group is Jane Morgan.

David De Roure is a Professor of Computer Science in the School of Electronics and Computer Science at the University of Southampton, UK. A founding member of the School's *Intelligence, Agents, Multimedia* Group, he leads the e-Research activities and is a Director of the Pervasive Systems Centre. Closely involved in the UK e-Science programme, David is National Strategic Director of e-Social Science, Chair of OMII-UK and a Co-Director of e-Research South. His work focuses on creating new research methods in and between multiple disciplines, and his projects draw on Web 2.0, Semantic Web and workflow technologies.



Professor David C De Roure

- Professor Dame Wendy Hall (explain)
- Dr Danius T Michaelides (explain)
- Dr Les A Carr (explain)
- Dr Mark J Weal (explain)
- Dr Don Cruickshank (explain)
- Professor Nigel R Shadbolt (explain)
- Kevin R Page (explain)
- Dr Gary B Wills (explain)
- Dr David E Millard (explain)
- Professor Luc Moreau (explain)
- David R Newman (explain)
- Hugh Glaser (explain)
- Dr Stuart E Middleton (explain)
- Dr Nicholas Gibbins (explain)
- Professor Nicholas Jennings (explain)
- Professor Hugh C. Davis (explain)
- dr monica mc schraefel (explain)
- Ken E Meacham (explain)
- Professor AJG "Tony" Hey (explain)
- Dr Robert J Walters (explain)
- Christopher Gutteridge (explain)
- Dr Harith Alani (explain)
- Yang Yang (explain)
- Saad A Alahmari (explain)



www.rkbexplorer.com

David De Roure is connected to [Danus Michaelides](#)

They are linked by 57 relations.

Publications

They have co-authored 52 papers:

- [Semantic Annotation in Ubiquitous Healthcare Skills-based Learning Environments](#)
- [A Card Based Metaphor for Organising Pervasive Educational Experiences](#)
- [Supporting Domain Experts in Creating Pervasive Experiences](#)

[\(49 more\)](#)

Affiliations

They are both affiliated to 2 organizations:

- [School of Electronics and Computer Science](#)
- [University of Southampton](#)

Projects

They are both contacts for 2 projects:

- [Meeting Memory Technology Informing Collaboration](#)
- [MyExperiment](#)

Organisation

They are both affiliated to: [University of Southampton](#).

British Museum – Search object details

http://www.britishmuseum.org/research/search_the_collection_database/search_object_detail

Reader

lod diagram

Single (8) And same as sameas South America Stuff iPhone ECS UoS DH ReSIST MacOS X Football RKB ENT iPhone App

British Museum – Search object ...

THE BRITISH MUSEUM


Home Visiting What's on Explore Research Learning The Museum Membership Support us Shop

Search

Home > Research > Search the collection database

1 of 1

The Rosetta Stone






AN16456004

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Larger image

Use digital image

Print record



Side: right Side: left Full: Front

See all views (5)

Department: Ancient Egypt & Sudan

Registration number: .24

BM/Big number: 24

Additional IDs

BS.24

Bibliographic reference

Object types

stela (all objects)

Title (object)

The Rosetta Stone

Materials

granodiorite (all objects)

Place (findspot)

Excavated/Findspot Fort Saint Julien (all objects)

Date

196BC

Period/Culture

Ptolemaic (scope note | all objects)

Description

Part of grey and pink granodiorite stela bearing priestly decree concerning Ptolemy V in three blocks of text: Hieroglyphic (14 lines), Demotic (32 lines) and Greek (53 lines).

Inscriptions

Inscription Type: inscription

Inscription Language: Greek

Inscription Type: inscription

Inscription Script: hieroglyphic

Inscription Language:

Inscription Comment: The inscription is a decree passed by a council of priests, one of a series that affirm the royal cult of the 13 year-old Ptolemy V on the first anniversary of his coronation.

Inscription Type: inscription

Inscription Script: demotic

Inscription Language:

Dimensions

Length: 112.3 centimetres (max)

Width: 75.7 centimetres

Thickness: 28.4 centimetres

More about object

Conservation

Condition

fair (incomplete)

Curator's comments

Compass text:

British Museum – Search object details

http://www.britishmuseum.org/research/search_the_collection_database/search_object_detail

Reader

lod diagram

Single (8) And same as sameas South America Stuff iPhone ECS UoS DH ReSIST MacOS X Football RKB ENT iPhone App

British Museum – Search object ...


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More about object

Conservation

June 1999 – Temporary Exhibition


April 1992 – Examination

British Museum – Search object details

http://www.britishmuseum.org/research/search_the_collection_database/search_object_detail

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British Museum – Search object ...






AN16456004

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[Print record](#)

Side: right Side: left Full: Front

[See all views \(5\)](#)

Department: Ancient Egypt & Sudan

Registration number: .24

BM/Big number: 24

Additional IDs
BS.24

Bibliographic reference
[Strudwick N 2006 pp.298-299](#)

Location:
G4/CSE

[Commission photography](#)

[Back to search results](#)

[Back to search](#)

Description
Part of grey and pink granodiorite stela bearing priestly decree concerning Ptolemy V in three blocks of text: Hieroglyphic (14 lines), Demotic (32 lines) and Greek (53 lines).

Inscriptions
Inscription Type: inscription
Inscription Language: Greek

Inscription Type: inscription
Inscription Script: hieroglyphic
Inscription Language:
Inscription Comment: The inscription is a decree passed by a council of priests, one of a series that affirm the royal cult of the 13 year-old Ptolemy V on the first anniversary of his coronation.

Inscription Type: inscription
Inscription Script: demotic
Inscription Language:

Dimensions
Length: 112.3 centimetres (max)
Width: 75.7 centimetres
Thickness: 28.4 centimetres

[More about object](#) **Conservation**

[June 1999 – Temporary Exhibition](#)

Treatment date
24 June 1999

Reason for treatment
Temporary Exhibition

Treatment proposal
1. Test clean return edges; 2. Clean and prepare for "Rosetta Stone, Cracking Codes and Decipherment" exhibition.

Condition
Object coated with protective treatment - identified as camauba wax, hand-grease and dirt. Inscription bears traces of hard pink material, principally near edges and at corners. It closely matches the pink granite vein for colour and is covered in places by black printers ink - see analysis report. Inscription was painted with water-based white Plaka gouache, by Carol Andrews in 1982 to replace white powder. (White powder was probably modelling clay applied as a slip over entire surface; the excess would have been removed with a cloth). White powder [clay] continued to inhabit areas of damage. Returns at either side have white deposit with pronounced horizontal directionality, but areas of damage do not have this deposit. (This is possibly gypsum plaster, spilled during casting of the inscription in Egypt). Also found: traces of reddish compacted clay on back and returns and a looser whitish material under cross-members of old mount, but elsewhere consolidated and turned brown by camauba wax. Text painted in white on left return: "CAPTURED IN EGYPT BY THE BRITISH ARMY IN 1801"; on right return: "PRESENTED BY KING GEORGE III".

Treatment details
Samples were taken of: pink material and printers ink in inscription; surface coating from various locations; white deposit on returns; reddish compacted clay on back and returns; loose whitish



MyExperiment

Search...



Location of Project Members



Details

Names:

MyExperiment

Starts:

01/03/2007

Ends:

31/03/2009

Web Address:

<http://www.myexperiment.org/>

Description:

The myExperiment Virtual Research Environment enables you and your research

Project Members

[Carole Goble](#)



[Darius Michaelides](#)



[David De Roure](#)



[Frederique VanTill](#)



Participating Organisations

[University of Southampton](#)



Related JISC Projects

[Meeting Memory Technology Informing Collaboration](#)



[myExperiment Repository Enhancement](#)



[Collaborative Orthopaedic Research Environment](#)



[Internet-Based Behavioural Research](#)



[Virtual Research Integration Collaboration](#)



[Building Research and Innovation Networks](#)



Publications

⏪ ⏩ +  http://www.google.com/ig?refresh=1 

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Updates
Friends

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Search, add, or invite


 Hugh Glaser
Set status here ▾


Chat with friends in undefined!

Rather stay offline?
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 Christopher Gutte
new [splashurl.net](#) f

 Valanto Kousetti

 Andrew Landells

 Joyce Lewis

[Options ▾](#) [Add friends](#)

Google Translate

Enter text to translate here

Detect langu ▾ >> English ▾

[Translate](#)


[Translate Homepage](#) | [Dictionary Homepage](#)

RKBGadget » People

Berners - Lee

[Search](#) [Reset](#)

Found 3 results for "Berners-Lee"
[M Berners-Lee](#) [Mary Lee Berners-Lee](#)
[Lee](#) [Tim Berners-Lee](#)

Tim Berners-Lee 

Full Name:
[Tim Berners-Lee](#) 

Email Address:
timbl@w3.org

Web Address:
http://en.wikipedia.org/wiki/Tim_Berners-Lee 

My Gadgets

Gadget


dictionary.xml

Inlined Cached

☐ ☒

RKBGadget » Project

[Search](#) [Reset](#)

KNOWLEDGE WEB 

Title:
Realizing the semantic web

Other Names:
KNOWLEDGE WEB

Project Overview:
The current World Wide Web (WWW) is, by its function, the syntactic web where structure of the content has been presented while the content itself is inaccessible to computers. The next generation of the Web (the Semantic Web) aims to alleviate such problem and provide specific solutions targeted the

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[+ Afghan poll media blackout urged](#)

[+ US Colombia deal 'not a threat'](#)

[+ Sony cuts price of PS3 consoles](#)

[+ Honduras expels Argentine envoys](#)

[+ US journalist Robert Novak dies](#)

[+ Turnaround 'will not be simple'](#)

[+ Russia detains ship 'hijackers'](#)

[+ New Israeli settlements 'on hold'](#)

[+ Jackson to be buried on birthday](#)

Weather

Southampton, England

 13°C Current: Clear
Wind: SE at 3 km/h
Humidity: 94%

Tue

Wed

Thu

Fri

 21° | 13°

 24° | 16°

 20° | 11°

 18° | 9°


Search YouTube

You Tube 

Best Silverlight Apps

Zingals uses Silverlight apps to enhance user experience. READ

Ads by Google

  [Confucius Quotes](#)

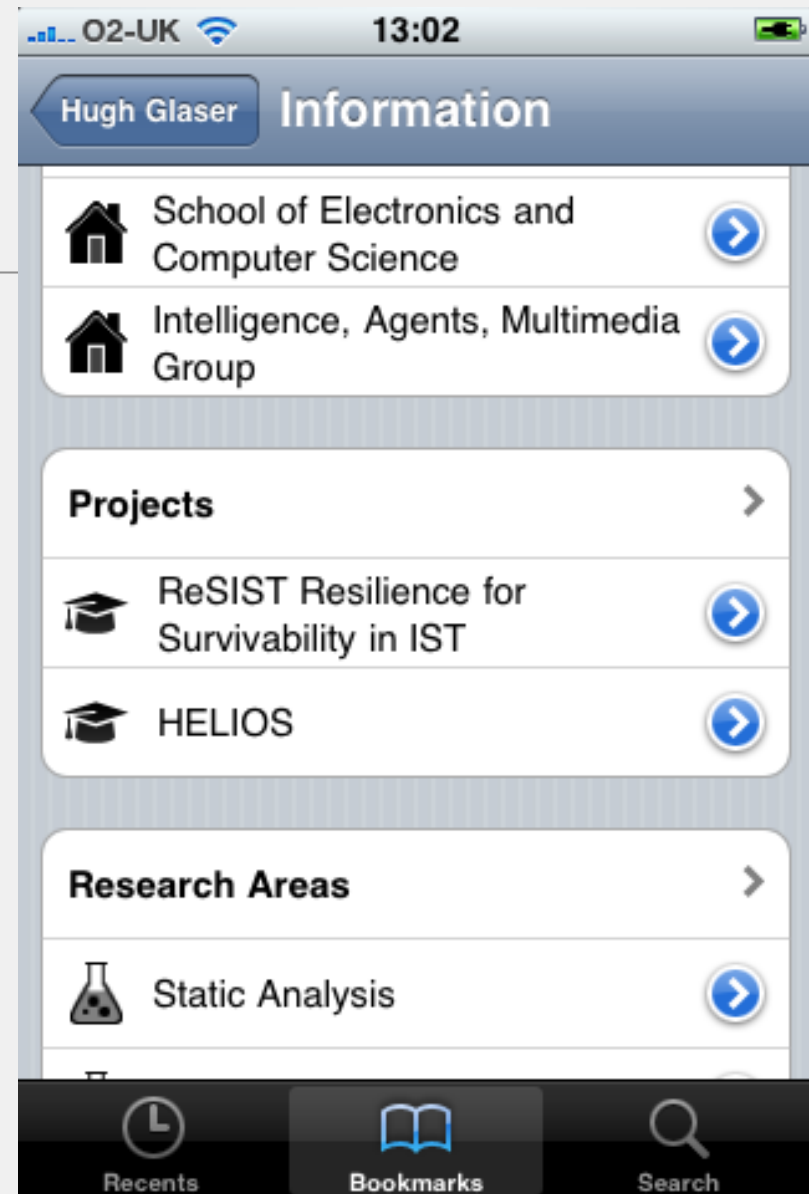
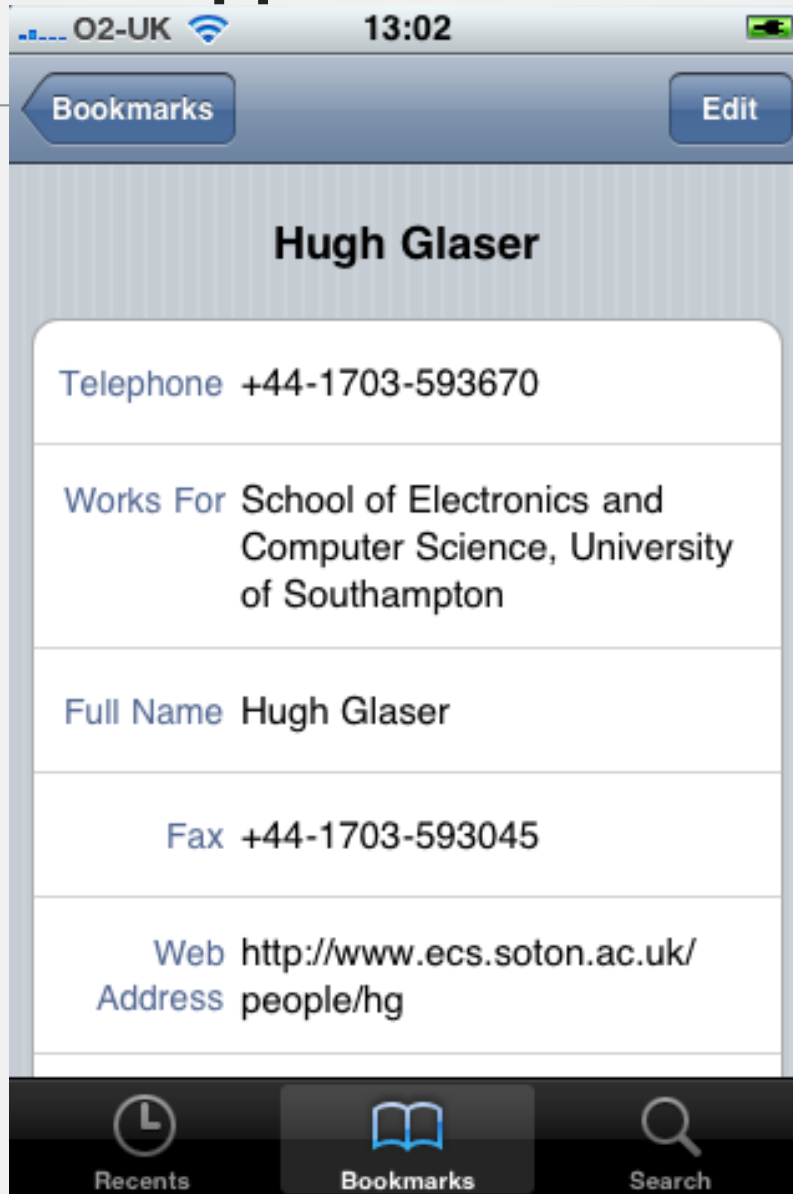


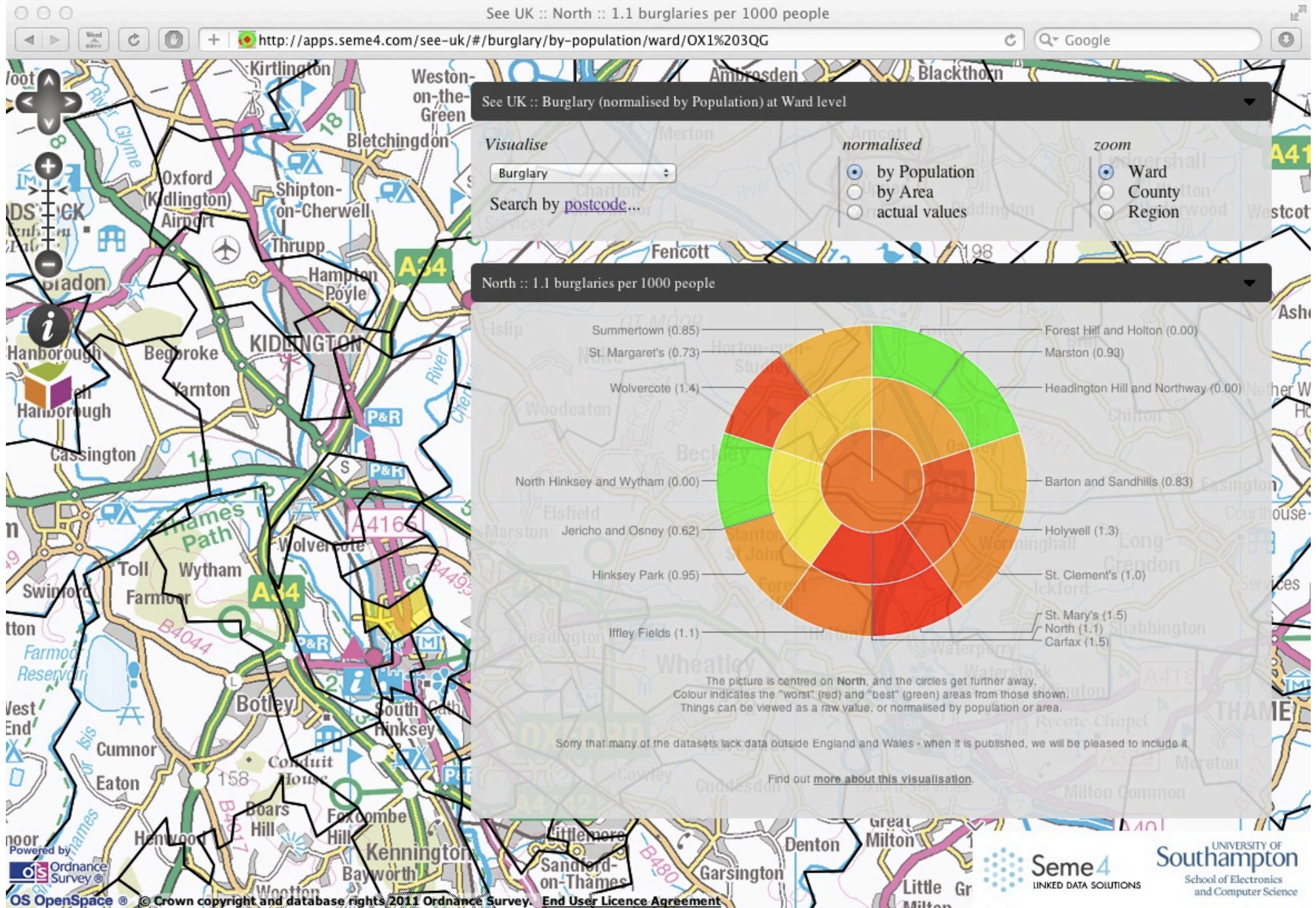
Gmail



Loading "http://www.google.com/ig?refresh=1", completed 20 of 22 items

iPhone App





Concluding Remarks

- **RKBExplorer uses CRS services successfully**
 - Often 100s of URIs per person
- **British Museum uses a CRS service for Data Fusion on its web site**
- **Organisations can go ahead and build systems, then do the identity management**
 - Both internally and externally
 - Doing identity management first requires cross-organisation agreement, a delay of months to years
 - It then freezes the business processes to conform to the external requirement
- **sameAs.org turns out to be pretty useful**
 - > 10K hits/day
- **Build systems that accept the way the world is, not what you would like it to be**

Concluding Remarks

- **Consume things yourself!**
 - The only way to find out if things are any good
 - Then you might be able to:
- **Provide appropriate services in appropriate formats**
 - Consumable by “normal” systems
 - This means
 - Useful – doing useful things
 - RESTful – easy to access
 - JSON – easy to process
 - ...

Endnotes

- **URIs**

- <http://sameas.org/>
- <http://sameas.org/kelle>
- <http://www.rkbexplorer.com/>
- <http://www.rkbexplorer.com/services/>
- <http://apps.seme4.com/see-uk/crime/by-population/ward/OX1%203QG>
- <http://www.ecs.soton.ac.uk/people/dder>
- http://www.britishmuseum.org/research/search_the_collection_database/search_object_details.aspx?objectid=117631&partid=1&searchText=YCA62958
- <http://www.dotac.info/explorer/>
- <http://www.rkbexplorer.com/gadgets/>

- **You are Never Alone**

- Ian Millard
- ReSIST Project
- AKT Project
- EnAKTing Project
- 10 years of collaborators