

Unlocking the Data in BBC News

ISKO Conference July 8th 2013

LATEST: Parliament officially ratifies treaty agreed between UK and Jordan that is intended to pave the way for Abu Qatada's deportation



Million join latest Brazil protests



More than a million people take part in wide-ranging and growing protests across Brazil, with violent clashes in many cities.

- ▶ [Brazil rocked by massive protests](#)
- ▶ [Brazil's protests - in 90 seconds](#)
- [In pictures: Brazil protests](#)
- [Containment or contagion?](#)
- [Shared symbolism of youth unrest](#)
- ▶ [Brazilians 'among world's happiest'](#)

Watch/Listen



 Life through a smartphone lens	 Savage storm sends tents flying
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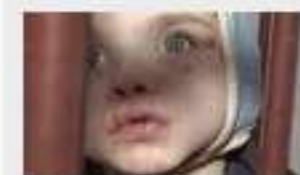
LIVE [BBC News Channel](#)

LIVE [BBC Radio 5 live](#)

Features



Baby ear protectors...
...and 9 other things festivals have given us



Adult orphans
What happened to the children of the Romanian orphanages?



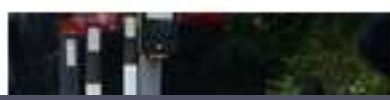
7 days quiz



MPs to quiz CQC bosses on 'cover-up'

The current bosses of an NHS regulator are set to be summoned by MPs to discuss an alleged cover-up over the deaths of babies at a Cumbria hospital.

- ▶ [CQC inspections 'not good enough'](#) [NHS 'cover-up' names revealed](#)
- [Hunt call over 'scandal of errors'](#) [Flawed care 'leads to kidney deaths'](#)



School crash driver tells of terror **NEW**

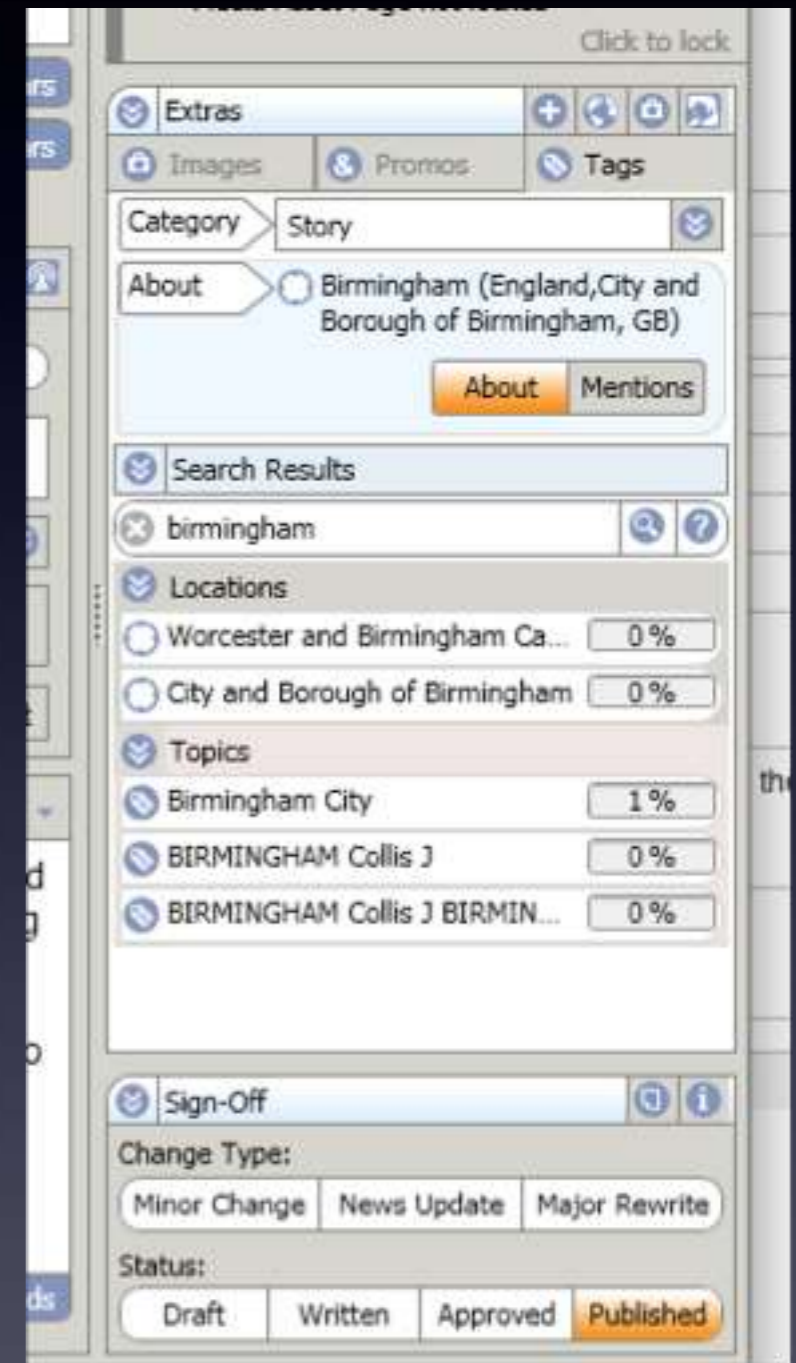
The motorist whose car overturned outside a village school injuring nine people

moving to linked data

- moving from static HTML to dynamic, responsive site
- introducing linked data to power content aggregations around related topics
- starting to embed linked open data in every page as RDFa
- using the IPTC rNews vocabulary to describe content in a machine-readable way

impact on journalists

- annotating (“tagging”) content with topics
- tool embedded into existing CMS
- concept extraction/NLP for topic suggestion
- journalists accept/reject suggested topics for annotation



pilot - local indexes

NEWS

Sections

THIS PAGE IS DRIVEN BY LINKED DATA FIND OUT MORE

Birmingham & Black Country

Arrest in pirate radio station raid

8 hours ago



A man is arrested in a raid on the base of a pirate radio station in Wolverhampton.



Strike over sacked college lecturers

9 hours ago

A one-day strike is being held at a college for 16-18 year olds over the sacking of four lecturers.



'No one else sought' over deaths

13 February 2013

Officers are not looking for anyone else in connection with the deaths of a 95-year-old woman and her daughter in Birmingham.



Man jailed over M5 fatal coach crash

13 February 2013

A coach driver who was over the drink-drive limit when he caused the deaths of two people on the M5 is jailed for six years.



Schools closed following snowfall

11 February 2013

Several schools across Birmingham and the Black Country close on Monday with ice forecast overnight.

Sport



WBA youngster joins Colchester

1 hour ago

Colchester United sign Premier League West Brom's 18-year-old defender Bradley Garnison on a one-month youth loan.



Paladini still keen on Blues deal

4 hours ago

Gianni Paladini says he is 'still interested' in buying Birmingham City, despite reports his consortium have pulled out.



Approach made for Birmingham City

5 hours ago

Birmingham are approached by a sports management company representing a consortium interested in buying the club.

Sections

More from the BBC

News

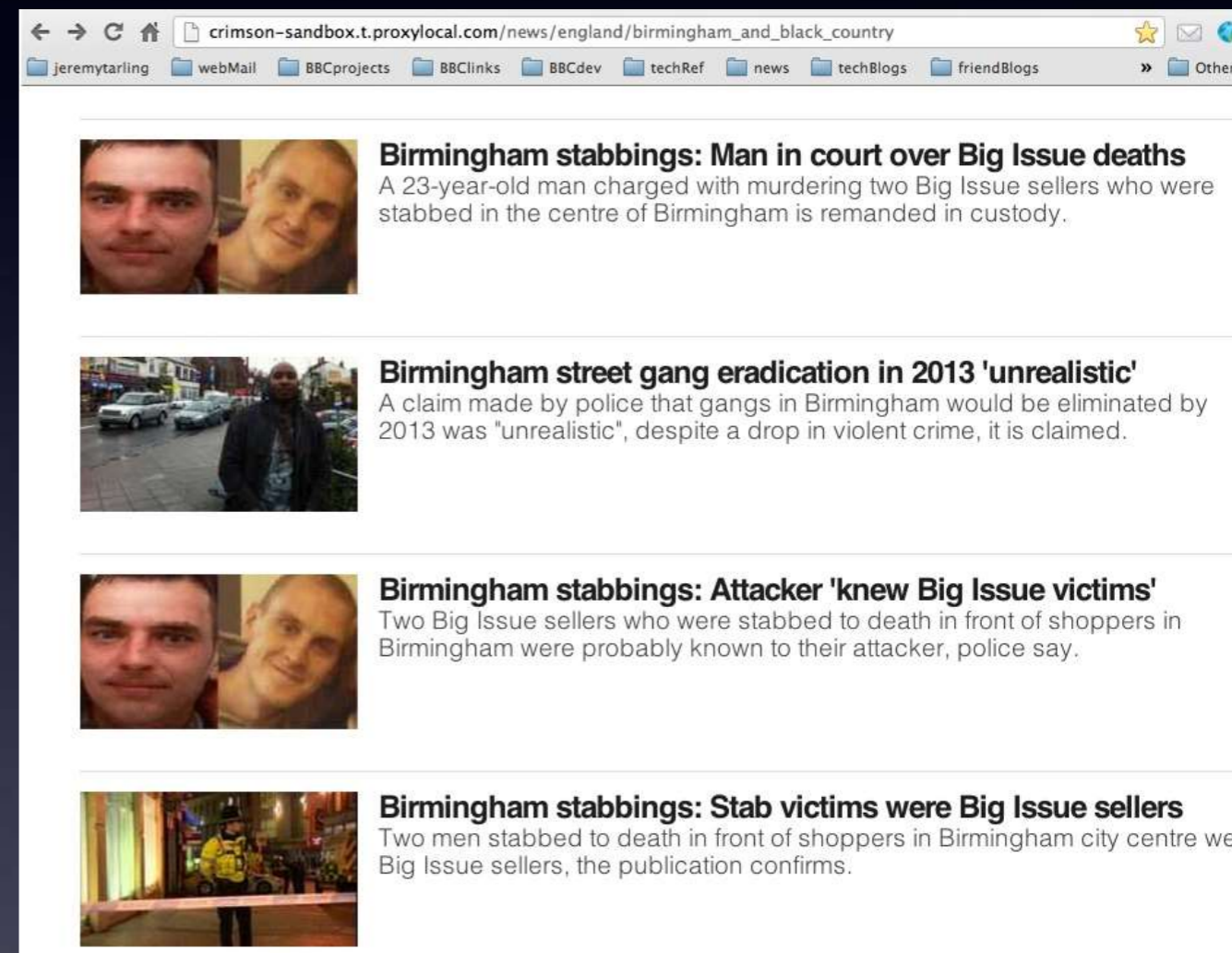
Sport

Weather

Player

learning from the pilot

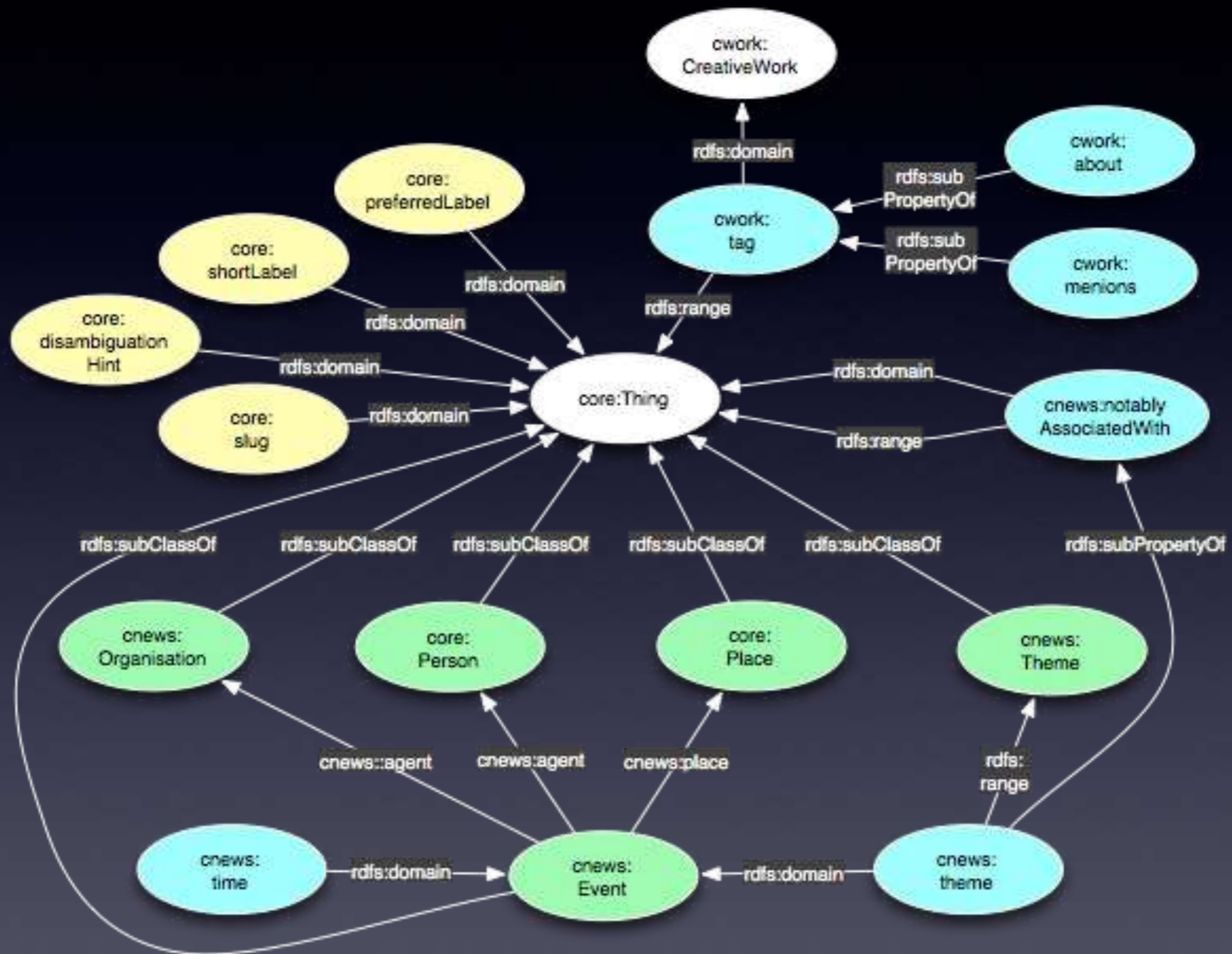
- generally - it works
- but duplication for big events
- also need pinning
- concept extraction poor
- journalists gaming the system



The screenshot shows a web browser window with the address bar displaying "crimson-sandbox.t.proxylocal.com/news/england/birmingham_and_black_country". The browser's bookmark bar includes "jeremytarling", "webMail", "BBCprojects", "BBClinks", "BBCdev", "techRef", "news", "techBlogs", and "friendBlogs". The main content area displays four news items, each with a small image and a text snippet:

- Birmingham stabbings: Man in court over Big Issue deaths**
A 23-year-old man charged with murdering two Big Issue sellers who were stabbed in the centre of Birmingham is remanded in custody.
- Birmingham street gang eradication in 2013 'unrealistic'**
A claim made by police that gangs in Birmingham would be eliminated by 2013 was "unrealistic", despite a drop in violent crime, it is claimed.
- Birmingham stabbings: Attacker 'knew Big Issue victims'**
Two Big Issue sellers who were stabbed to death in front of shoppers in Birmingham were probably known to their attacker, police say.
- Birmingham stabbings: Stab victims were Big Issue sellers**
Two men stabbed to death in front of shoppers in Birmingham city centre were Big Issue sellers, the publication confirms.

corenews model



pilot - publishing RDFa

- using RDFa + rNews to embed machine-readable metadata in article source code
- discoverability: rich snippets + better ranking
- publish Linked Open Data:
`<articleURI> rdf:type rnews:Article`
`<articleURI> rnews:about <thingURI>`
etc...


```

54 <head profile="http://dublincore.org/documents/dcq-html/" resource="http://www.bbc.co.uk/news/uk-politics-21840000"
55 typeof="rnews:NewsItem">
56 <meta http-equiv="X-UA-Compatible" content="IE=8" />
57 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
58 <title>BBC News - Anglesey council results</title>
59 <meta name="Description" content="Anglesey council results"/>
60 <meta property="rnews:description" content="Anglesey council results"/>
61 <meta name="OriginalPublicationDate" content="2013/04/29 10:28:38"/>
62 <meta property="rnews:datePublished" content="2013/04/29 10:28:38"/>
63 <meta name="UKFS_URL" content="/news/uk-politics-21840000"/>
64 <meta name="Headline" content="Anglesey council results"/>
65 <meta property="rnews:headline" content="Anglesey council results"/>

```

BBC Jeremy Darling News Sport Weather iPlayer TV Radio More... Search

NEWS POLITICS

Home World UK England N. Ireland Scotland Wales Business Politics Health Education Sci/Environment Technology Entertainment & Arts

VOTE 2013
 35 Councils in England and Wales 2 Mayoral elections

Find a result
 Find a council

Top Stories Results **As it happened**

Results for Anglesey
 Canlyniadau Ynys Môn yn Gymraeg

NOC No Change

Party	Seats	+/-
Independent	14	-2
Plaid Cymru	12	6

View national results
 Map England and Wales Council A-Z

```

1118 <div class="vote2013-council-meta" resource="http://www.bbc.co.uk/news/uk-politics-21840000">
1119 <div class="vote2013-council-meta_about" rel="rnews:about" resource="http://www.bbc.co.uk/things/f254344f-3a
1120 9abd176a32c3#id">
1121 <div class="vote2013-council-meta_same-as" vocab="http://www.w3.org/2002/07/owl#" rel="sameAs"
1122 resource="http://dbpedia.org/resource/Isle_of_Anglesey_County_Council"></div>
1123 </div>
1124 </div>


```

learning from the pilot

Search results for **brazil** (About 1,190,000,000 results (0.29 seconds))

Cookies help us deliver our services. By using our services, you agree to our use of cookies. [OK](#) [Learn more](#)

News for brazil



-  [Brazil unrest: 'Million' join protests in 100 cities](#)
BBC News - by Gary Duffy - 3 hours ago
More than a million people take part in wide-ranging and growing protests across **Brazil**, with violent clashes in many cities.
- [Brazil protests: Fifa denies Confederations Cup will be cancelled](#)
BBC Sport - 16 minutes ago
- [I was Brazil woman pepper-sprayed in face, says protester](#)
The Independent - 5 hours ago

Brazil - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Brazil

Brazil Listen/brəˈzɪl officially the Federative Republic of **Brazil** (Portuguese: República Federativa do Brasil, About this sound listen (help·info)), is the largest ...

[Brazil national football team](#) - [Demographics of Brazil](#) - [History of Brazil](#) - [Lusophone](#)



Map data ©2013 MapLink

Brazil

Country

Brazil, officially the Federative Republic of Brazil, is the largest country in both South America and the Latin American region. It is the world's fifth largest country, both by geographical area and by population, with over 193 million people. [Wikipedia](#)

Capital: [Brasília](#)

Currency: Brazilian real

Population: 196.7 million (2011) [World Bank](#)

learning from the pilot

PressGazette

JOURNALISM TODAY

Search

Home | Nationals | Regionals | Broadcast | Magazines | Digital | B2B | Media law | Training | Blogs | Awards | Directories | Media Metrics | Jobs | People
The Wire | Editor's blog | Grey Cardigan | Cleland Thom | Guest blog | Jon Bernstein | Job Spy | The Newslist | Mick Hume | Abbot Katz

THE WIRE

Francis Elliott replaces Roland Watson as Times political editor

Haymarket

Home | Blogs | The Wire

The Wire

Rolling news updates including links to the best journalism news and comment from around the web



RSS

BBC beats Mail Online and Guardian in top ten list of UK news websites to appear on Google news results

William Turvill
20 May 2013

Like 2 Tweet 33 +1 0



Most read | Most commented

- 1 Freelance sold Nigella pics to Sunday People because 'they are good guys who don't mess you about'
- 2 Daily Mail pays £125k damages plus costs to TV psychic Sally Morgan over 'charlatan' report
- 3 Peter Preston reflects on 50 years of triumph and disaster at The Guardian and Observer
- 4 Two more Sun journalists charged by CPS in bribes probe
- 5 BBC boss claims £400 for cancelled holiday as executive expenses soar 19%

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Jobs

Head, Spear's Research Unit
The job involves compiling the Spear's Indices of top lawyers, wealth managers etc; running Spear's...
14/06/2013

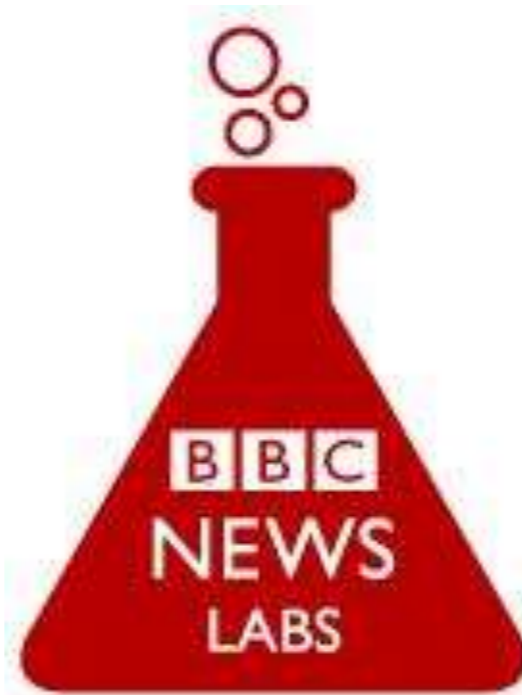
senior researcher

next steps

- rolling out tagging to journalists throughout BBC News
- making better use of rNews/RDFa - full mark-up integration
- piloting the use of organising content by storylines

more info

- <http://www.bbc.co.uk/blogs/internet/posts/News-Linked-Data-Ontology>
- <http://www.bbc.co.uk/ontologies/news/2013-05-01.shtml>
- jeremy.tarling@bbc.co.uk
- twitter: @jeremytarling



BBC News Labs

At ISKO

BBC News Labs

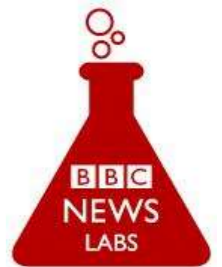
- Explore opportunities for BBC News
- Using real data
- Prototype quickly
- ...which is normally hard in big Orgs...



Unlocking the Data in BBC News

- All we have is a bunch of articles...
- What does a “tagged” world looks like?
- The Juicer does [badly] what Journalists will do

The News Juicer



1

Grab
BBC News
& Sport
Articles

2

Extract
Concepts

3

Match to
DBpedia

4

Annotate
Article

5

Push to
Triplestore

6

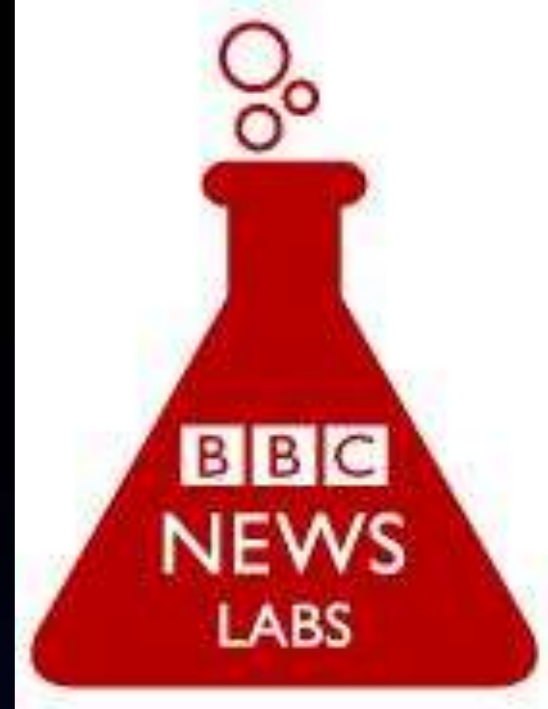
Expose
via
API

Demo

- Juicer : <http://staging.juicer.bbcnewslabs.co.uk/>
- Person : http://staging.juicer.bbcnewslabs.co.uk/demo/person?q=Andy_Murray
- Place : <http://staging.juicer.bbcnewslabs.co.uk/demo/place?q=Cheshire>
- News Near Me : <http://newsnearme2.herokuapp.com/>

Next

- “Juice” more of BBC Archive
- Build prototypes
- See what works
- **Storyline** : News Org Partnerships



More info

- <http://www.bbc.co.uk/blogs/internet/posts/BBC-News-Lab>
- Matt.shearer@bbc.co.uk
- twitter: @completedespair
- @BBC_News_Labs


In case network blows up



BBC NEWS

Local to me - My north london Draw area Q

My Locations (6) <



My north london Now 14°C Fri 13°C 8°C Sat 12°C 7°C Local Travel No travel data available for this region

Mark Duggan death: Police 'removed body and gun from cab'
189 hours ago
Police at the scene of the Mark Duggan shooting removed a gun and a body from a minicab in which he was travelling, a court heard.

Crimewatch appeal for killer of Highbury father
338 hours ago
A fresh appeal to solve the murder of a father in Highbury, north-west London, 15 years ago is to feature on BBC Crimewatch.

Policeman '100% sure' Mark Duggan was holding gun
354 hours ago
The police officer who shot Mark Duggan believed "100%" the 29-year-old was holding a gun, a court hears.

Traffic restrictions during Ulster Covenant parade
375 hours ago

Stories About Local People

Ben Gummer's war of words with Ipswich Council
1 hour ago
Ben Gummer, Conservative MP, is embroiled in a war of words with Ipswich Council after a 'shocking attack' on the local authority.

Willy Wonka cast in Sam Mendes musical
1 hour ago
Olivier winning actor Douglas Hodge is to play Willy Wonka in Sam Mendes's new production of Charlie and the Chocolate Factory, it is announced.

Hotster mine owner Mark Weir 'not qualified to fly at night'
3 hours ago
A Cumbrian businessman killed when his helicopter crashed in the Lake District was not qualified to fly at night, an investigation finds.