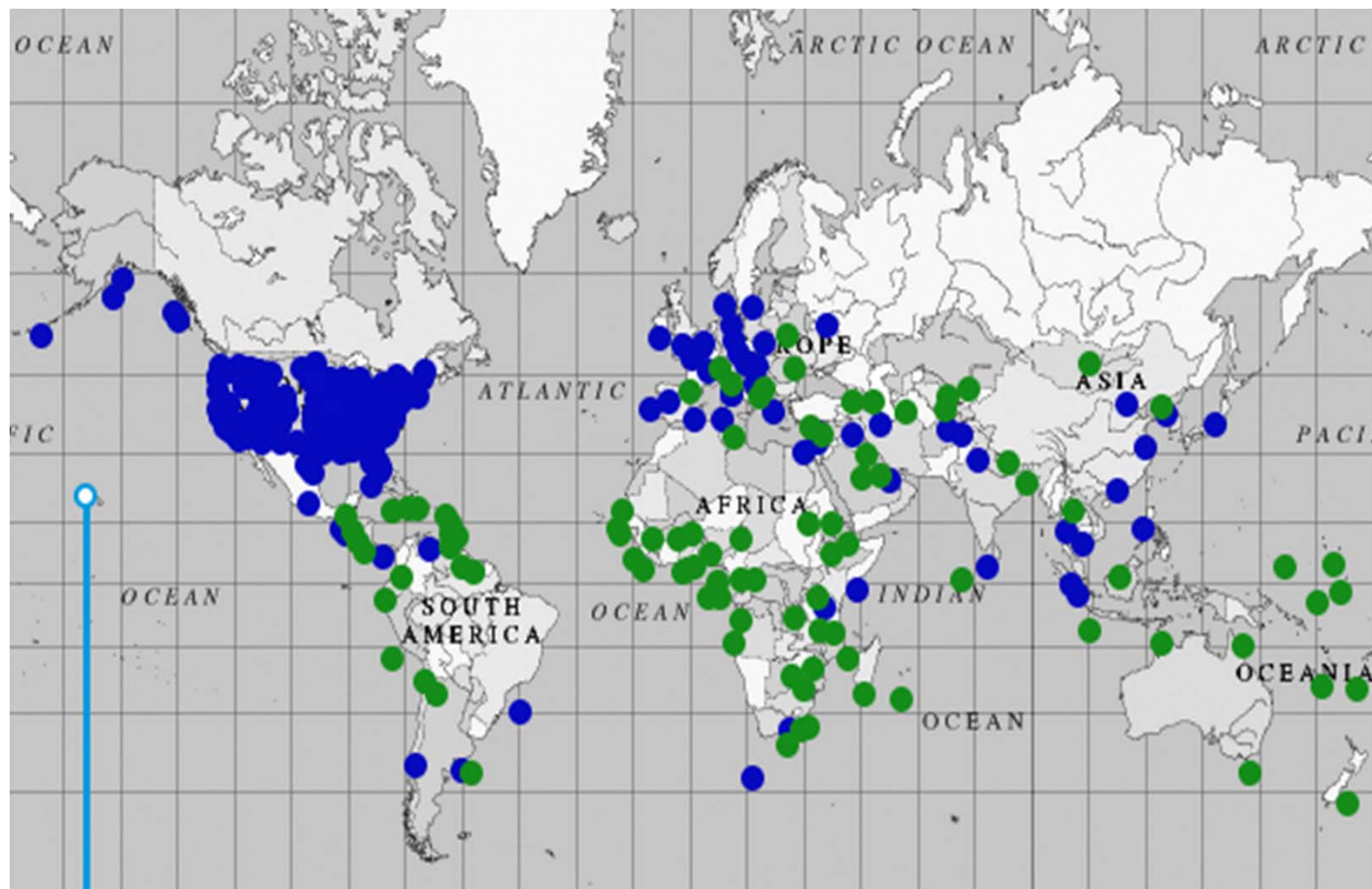


News Visualizations!

And why they're
the best thing
ever. Ever!





recently covered



- Washington DC, United States
- Kabul, Afghanistan
- Rome, Italy
- New Delhi, India
- Caracas, Venezuela
- Algiers, Algeria
- Buenos Aires, Argentina
- Vienna, Austria
- Brussels, Belgium
- Sarajevo, Bosnia and Herzegovina
- Rio De Janeiro, Brazil
- Phnom Penh, Cambodia
- Ottawa, Canada



recently missed



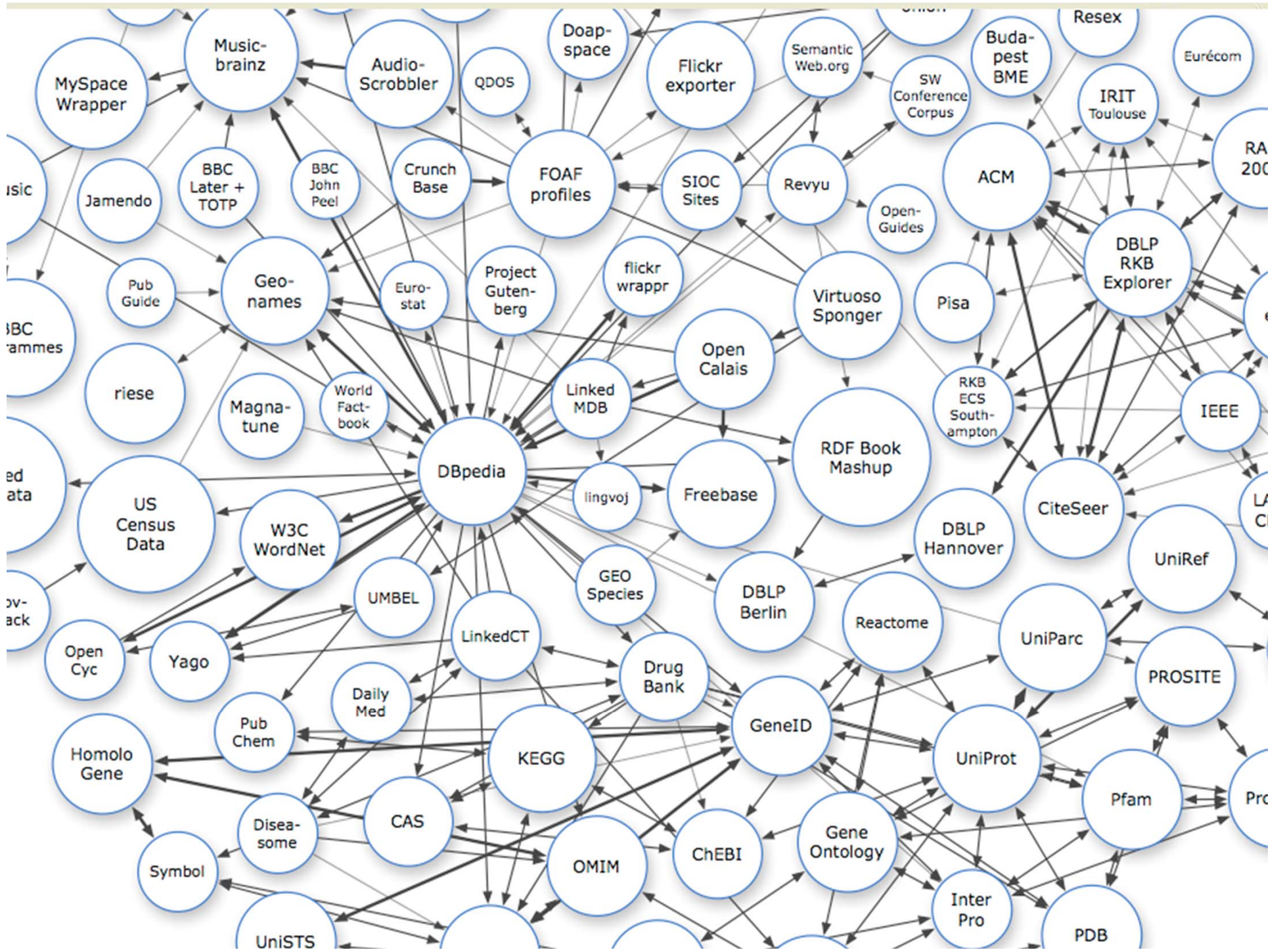
- Tirane, Albania
- Andorra la Vella, Andorra
- Luanda, Angola
- Yerevan, Armenia
- Canberra, Australia
- Baku, Azerbaijan
- Dhaka, Bangladesh
- Bridgetown, Barbados
- Minsk, Belarus
- Belmopan, Belize
- Porto-Novo, Benin
- La Paz, Bolivia
- Sucre, Bolivia



Obama Is to Report Tuesday on Blagojevich Contacts

Honolulu, United States

The memorandum will lay out a narrative in about a dozen paragraphs the president-elect's advisers had with the governor's office...



PHP

Where you want to be.

Less talk! More scrape!

Download this!

<http://www.binaryspark.com/Scrape/examples.zip>

Grabbing an RSS feed!

Datatype	VIA	Destination
XML (Huffington post)	RSS FEED (PHP)	BROWSER (Firefox, or whatever)

- Step one: Get to know your data:
http://feeds.huffingtonpost.com/huffingtonpost/raw_feed
- Step two: Set up the code

What's this xml stuff?

```
<introductory tags>
```

```
<entry>
```

```
  <title></title>
```

```
    <id></id>
```

```
    <published></published>
```

```
    <updated>2010-06-19T15:50:45Z</updated>
```

```
    <summary>summary>
```

```
    <author>
```

```
      <name></name>
```

```
      <uri>http://www.huffingtonpost.com/anne-naylor/</uri>
```

```
    </author>
```

```
    <content></ content>
```

```
</entry>
```

PHP makes things awesome

Get the data!

Get it in a form we can use

Do Something with it!


```
$url = "http://feeds.huffingtonpost.com/huffingtonpost/raw_feed";  
$data = file_get_contents($url);
```

```
$xml = new SimpleXmlElement($data);
```

```
echo "<b>Here are the current popular posts from Huffington Post without the  
ads!</b><BR><BR><ul>";
```

```
foreach ($xml->entry as $item) { //navigate to the tag we want?
```

```
    $myTitle = "unknown"; //initialize the variable so it's all set!
```

```
    $myTitle = trim($item->title);
```

```
    echo "<LI>" . $myTitle . "<br>"; //now print it!
```

```
    } //end foreach
```

```
echo "</ul>";
```

Example 4

Datatype

XML

(US Exchange rates)

VIA

data FEED

(PHP)

Destination

API and BROWSER

(Google Charts API
Firefox, or whatever)

- Step one: Get to know your data:
<http://rss.timegenie.com/forex.xml>
- Step two: Set up the code

API's? Eh?

- **Data** –all the types of data we discussed before

- **Functionality**

Data converters: *language translators, speech processing, url shorteners)*

Communication: *email, IM, notifications*

Visual data rendering: *Information visualization, diagrams, maps*

Security related : *electronic payment systems, ID identification...*

Example 4: Doing the two-step

Get the data!

Get it in a form we can use

Run it through a second Process

Do something with it (like displaying that baby!)

News that News!

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