

**Iain Pritchard** 

11 December 2014







#### **Adapta Consulting**

#### We are:

- A specialist information systems consultancy
- We only work with membership organisations, charities, associations, trusts and others in the NfP sector
- We are completely supplier-independent
- Our consultants have held senior positions in a broad range of different organisations
- Our advice and guidance is based on practical experience gained over many years.



# **Programme**

14.00	Arrival and welcome
	Iain Pritchard – Adapta Consulting
	Welcome to the event, introductions and overview of the agenda for the afternoon.
14:15	The benefits of systems integration
	Iain Pritchard
	Overview of the benefits of integrated systems, including the pre-requisites (and pitfalls) that can be encountered
	along the way.
15:00	Case studies
	Rob Gethen Smith, The Southbank Centre and Andrew Brend, The Brooke
	Short case studies from organisations that have tried to achieve systems integration
15:45	Discussion and feedback
	All
	A round table discussion and feedback.
16.30-	Review and close
17.00	Iain Pritchard – Adapta Consulting

### **Systems Integration**



- Benefits
- Prerequisites
- Pitfalls



#### **Case studies**



# The Brooke





### The Brooke..... helping equine animals for 80 years

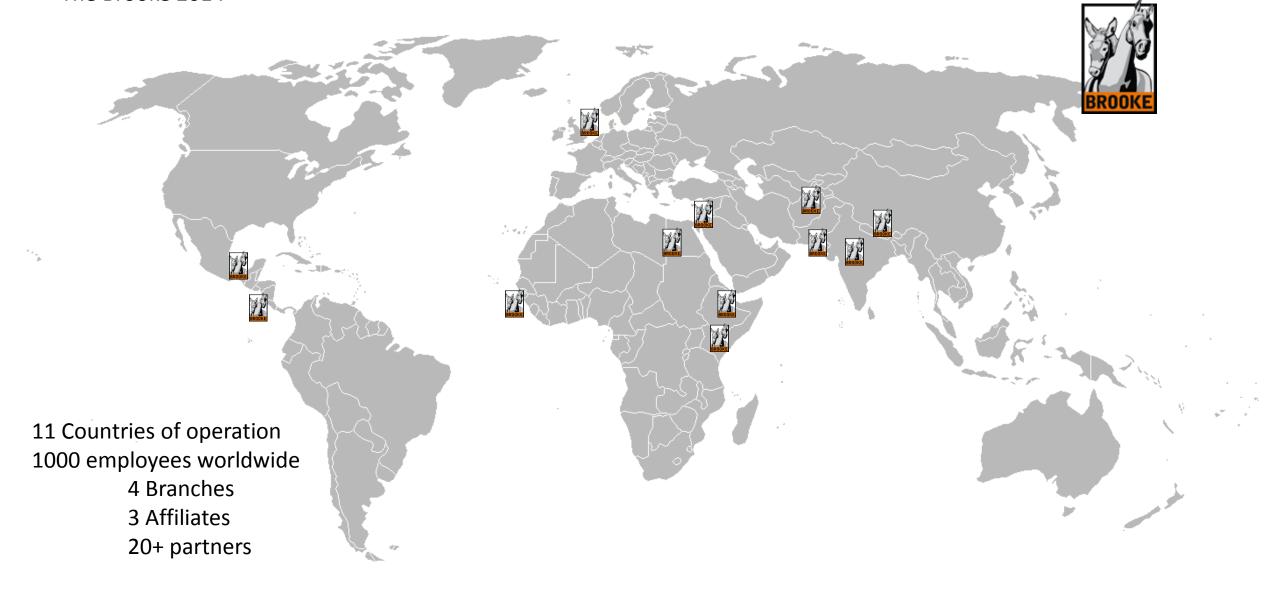




- The Cairo Old War Horse Memorial Hospital opened 1934
- Traditional practise of treatment based support.
- Animals travel milesd to static Clinics again and again..



#### The Brooke 2014



#### Our Focus

#### Four key strategic areas:

- 1. Direct veterinary intervention
- 2. Prevention of welfare problems
- 3. Influencing for animal welfare
- 4. Field Research into animal welfare

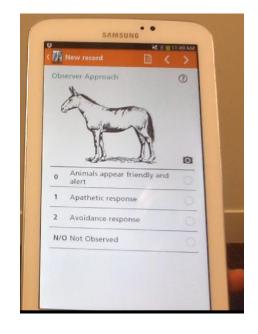












- Evidence
- Innovative Solutions
- Advocacy
- Building Animal Welfare Capacity

### Effectiveness





- Data
- Scientific Research
- Collaboration
- Knowledge & Information Sharing





Documents by users
Email Traffic !!
Loss of Organisational
Memory
New Applications
unsupported
Video in Public domain
Data captured in country

### Connect







### "User Lead" Project

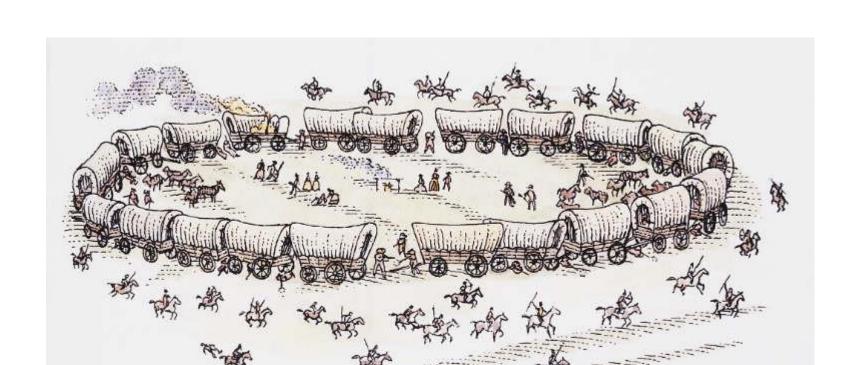




#### **TOR**

"Risk that people will not accept new ways of working: risk mitigated by ensuring that staff from all areas of the organisation are represented on the project and that other people are involved in specific activities to provide input and feedback"

# Challenges...





- Communication
- User Focused
- Champions
- Make Complexity simple

### **Architectural Choices**



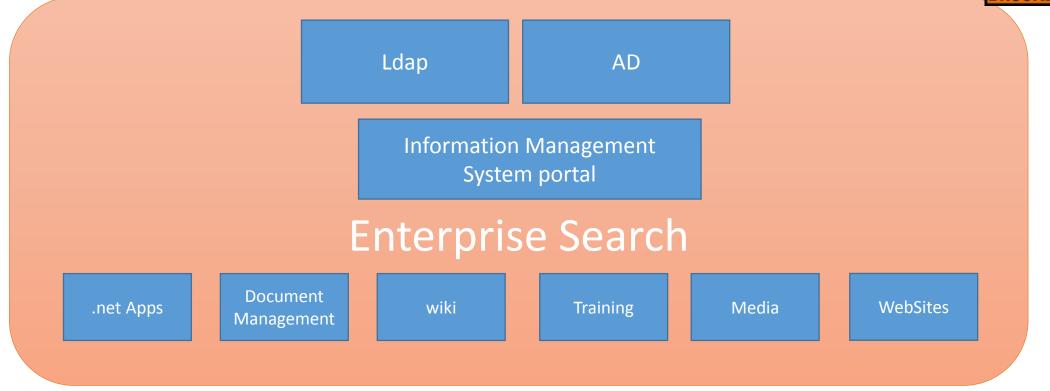












Allowing open access to information whilst maintaining permission based search?



### Challenges going forward......





- Remote areas of operation
- International Infrastructure
- Information Policy
- Embedding Phase 1





Thank you

# Integration

Southbank Centre
Digital Transformation Programme

Rob Gethen Smith, CIO Stephen Moffitt, Programme Manager Aryaguna Watson, Database Development Manager



### A bit about Southbank Centre

- Europe's largest Art Centre
- 21 Acres
- 5 venues
- 20m+ people
- 4000+ events
- 600 staff
- i.e. very few highly creative people do lots in not much time
- Also an awesome Digital Strategy



# Why is integration important?

- Promote and get 20m people to our site, festivals and 4000 events doing this efficiently and profitably requires seamless creation and movement of digital assets, content and data
- Create a new digital space for arts and learning doing this requires us to be able to publish our content in discoverable and reusable formats bring together data from a range of sources, both internal and external



### What data do we hold?

#### Data on:

- Events (all the concerts, activities and exhibitions at the SC)
- People (performers, audiences, artists)
- Things (tickets, food, drinks, recordings, playlists)
- Locations (venues, galleries, public spaces)

# SC data model

#### What?

An enterprise data framework that defines the key data we have and their relationships

#### Why?

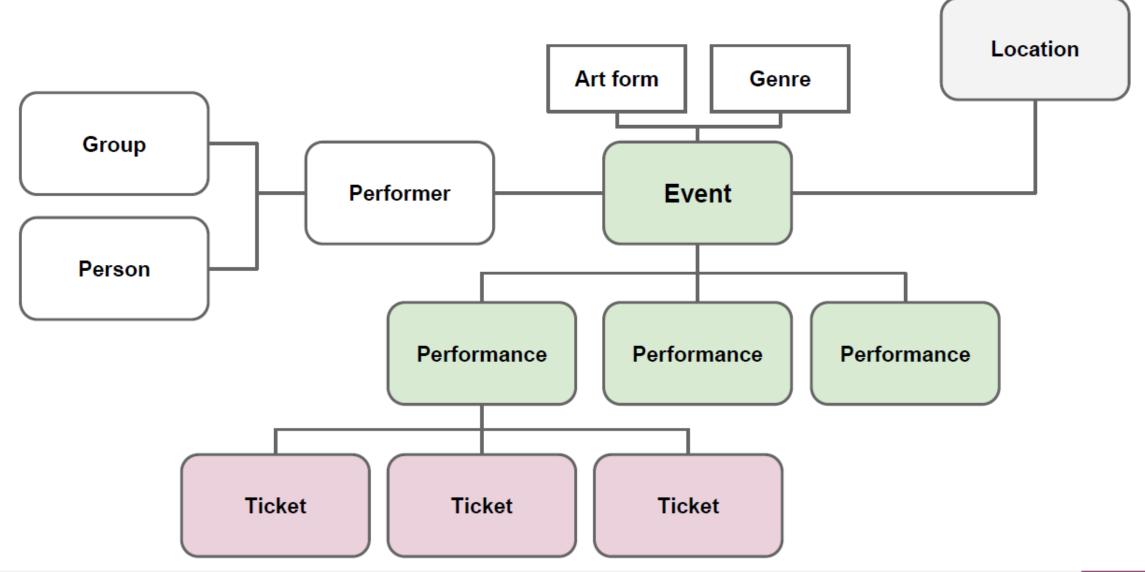
To help provide better customer experience and learning by creating a 'virtualised' enterprise architecture

#### How?

3-level data model derived from workshops, systems analysis and user stories

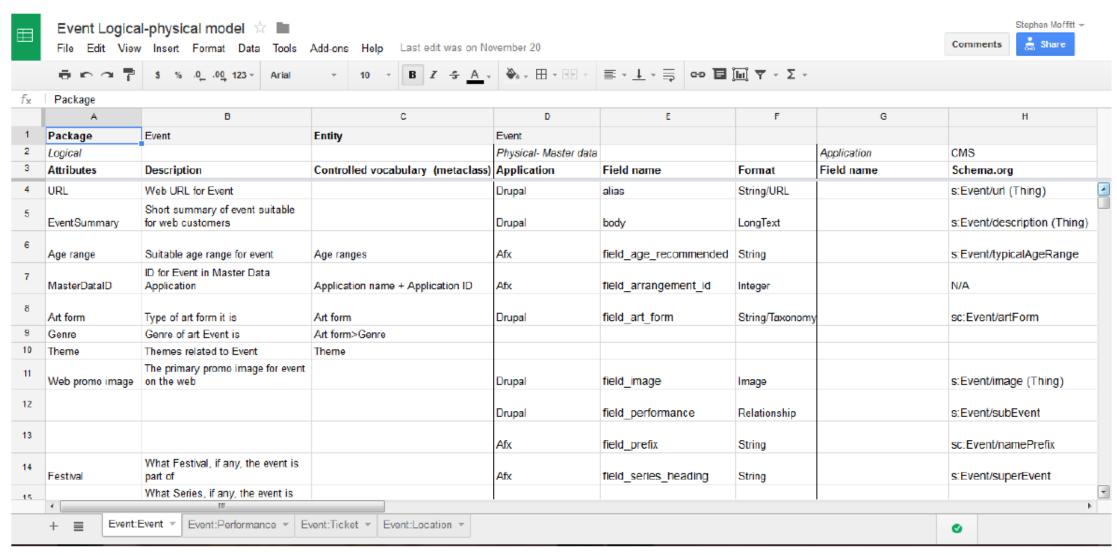


# **ODM** conceptual model



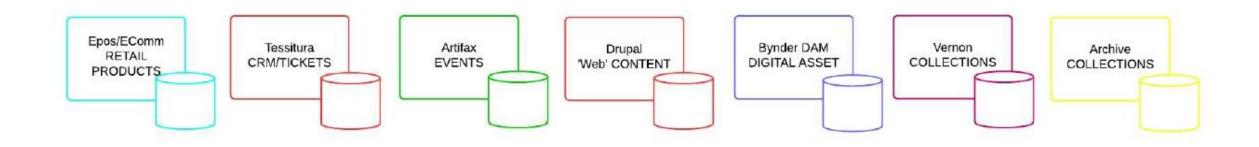


# **ODM** logical and physical model



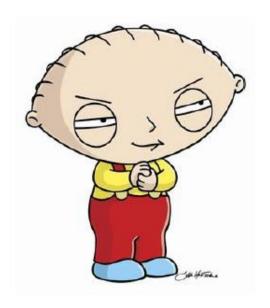


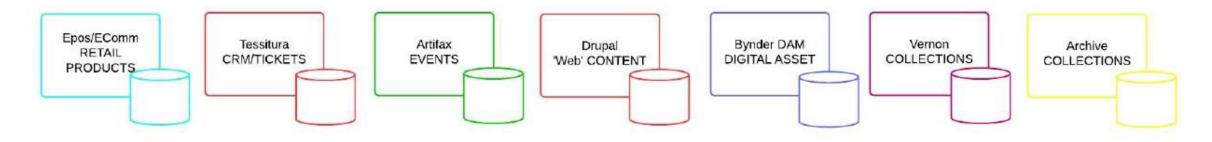
# Where does this data reside?





# Integration level 1a

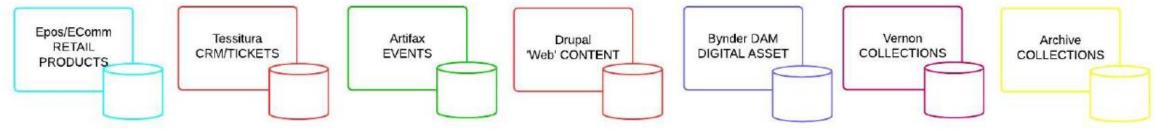






# Integration level 1-robot

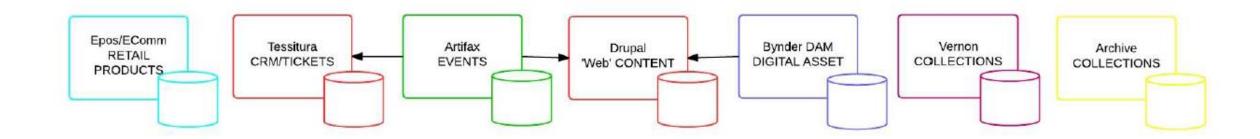




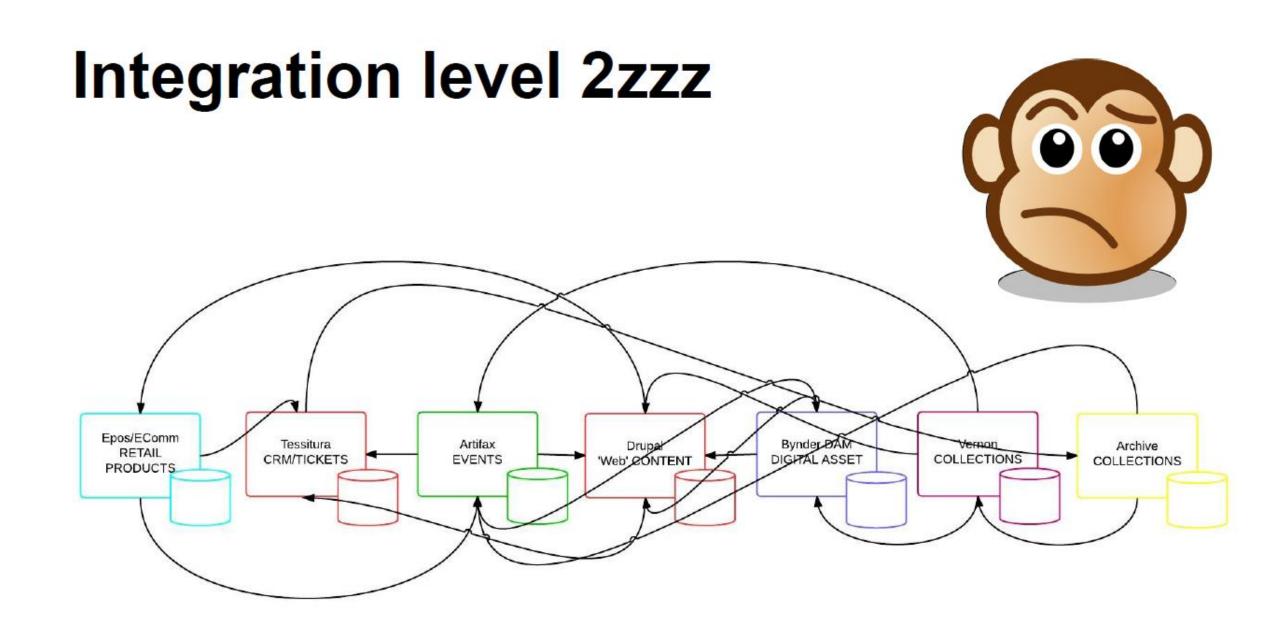


# Integration level 2a

Point to point bespoke connections Based on sound business analysis



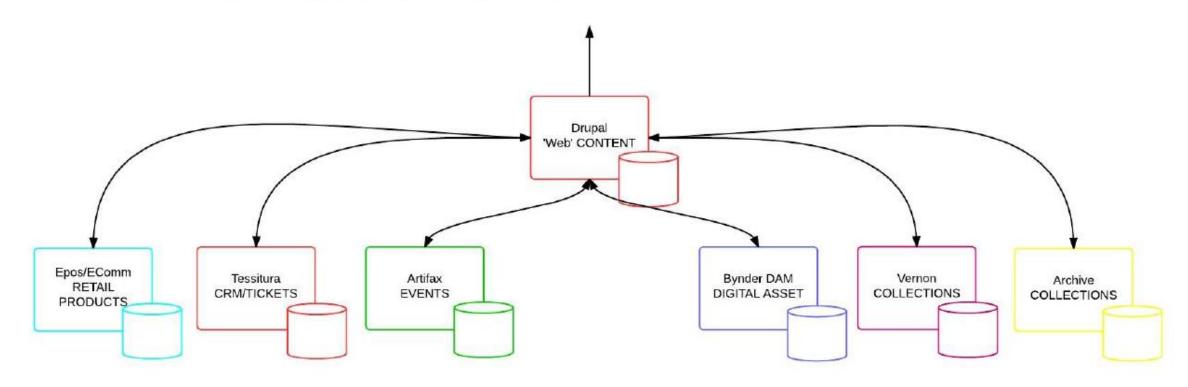






# Integration level 3

**Embedded service layer** - use existing system eg. enterprise CMS to 'translate' data from one system to another





Victorian sponge cake layers approach

Front ends

API (cream)

Drupal CMS

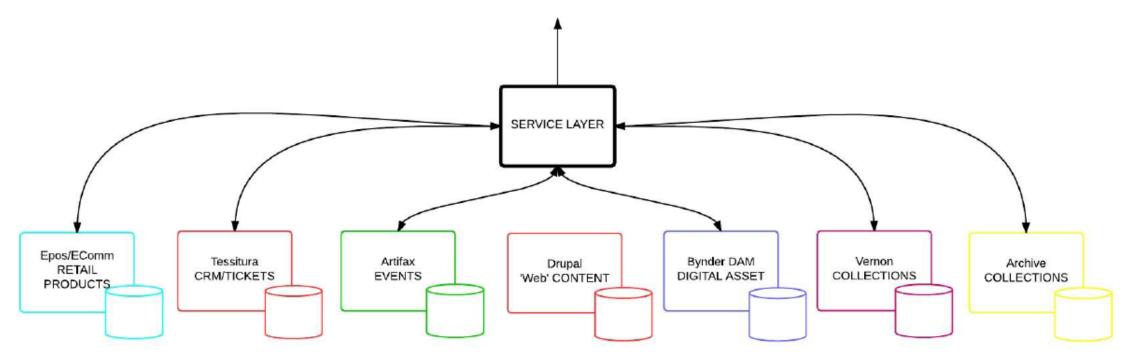
API (jam)

Backend (Tessitura, Artifax, DAMS)



# Integration level 4

**Centralised/Abstracted service layer** - separate dedicated application that all applications plug into to get data from each other



KEY QUESTION - when do you invest in a service layer?

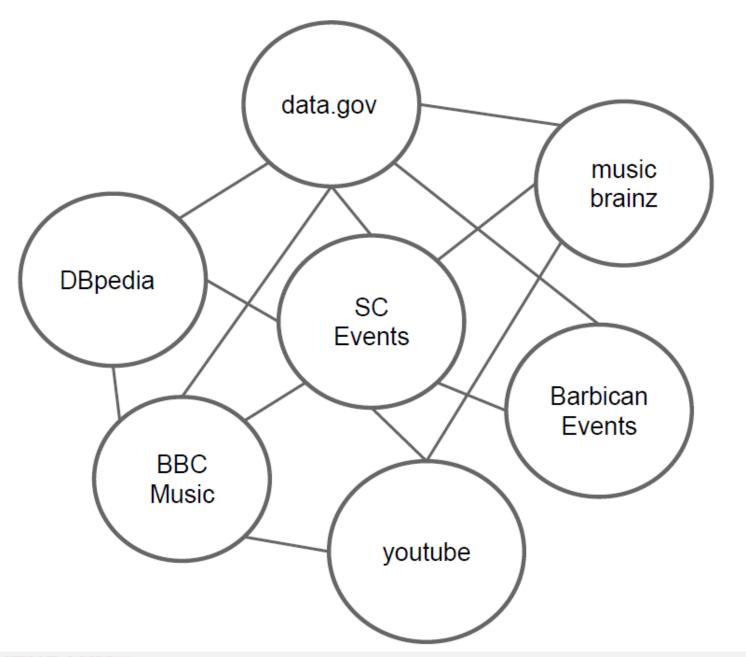


# So where does Linked Open Data come in to this?

We are overlaying our system architecture with our linked open data model to :

- 1. Link up data internally creating efficiency
- 2. Link up data to external data sources enriching our content
- 3. Make our content more discoverable (schema.org)
- 4. Make our content re-usable (open API)





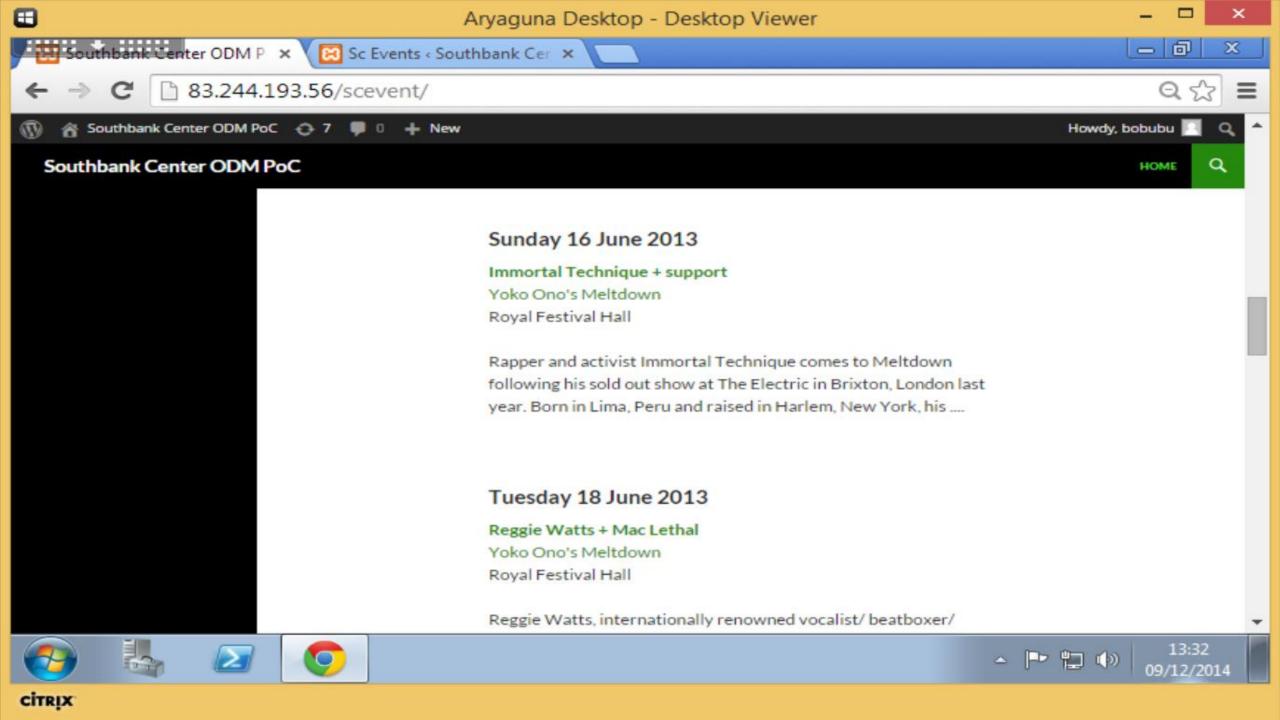
The hardest thing about LOD is

1. explaining what it is

2. why it is important

So we built a POC

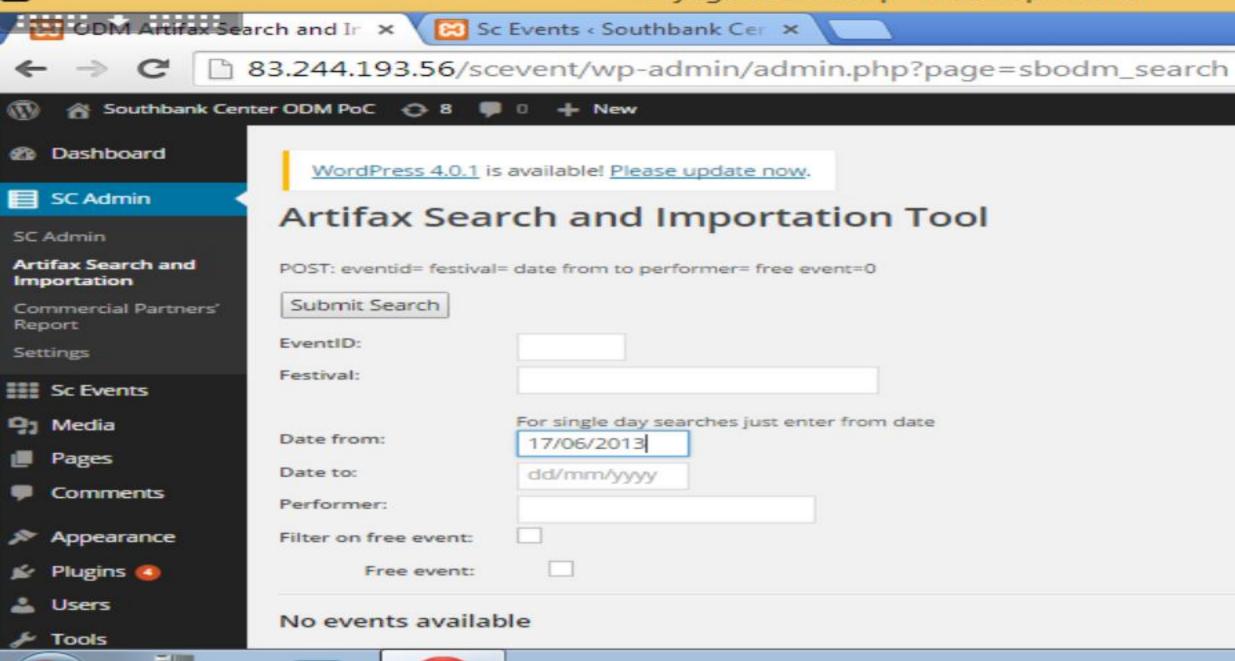


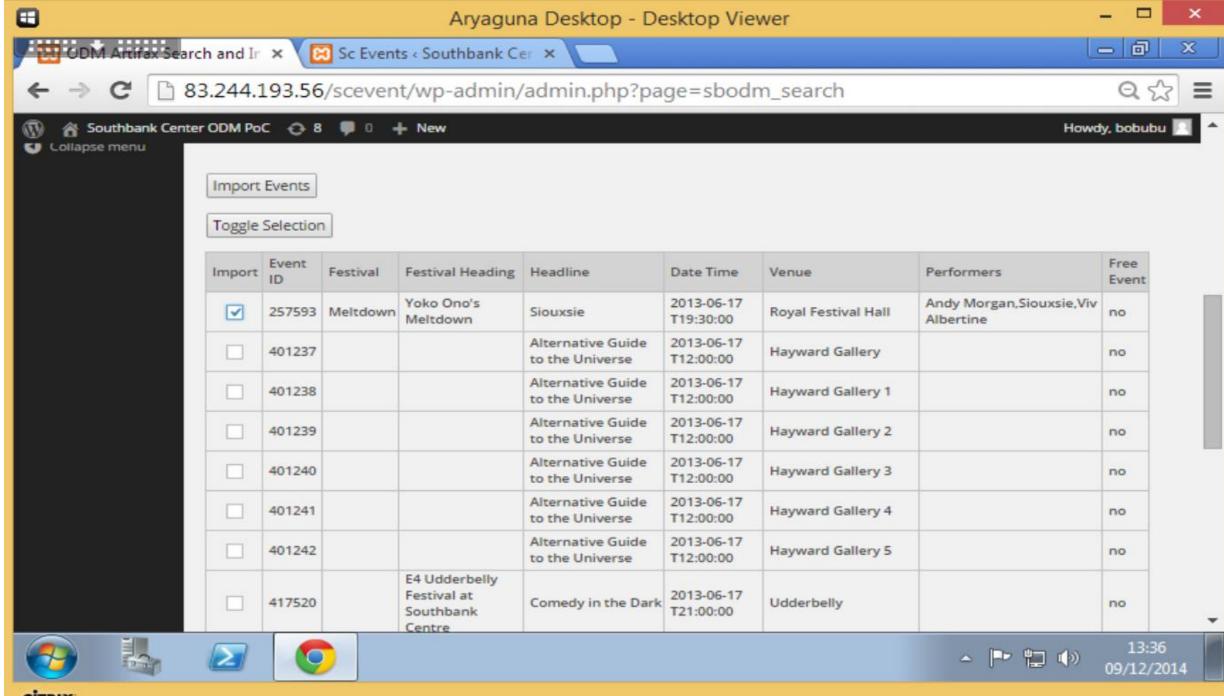


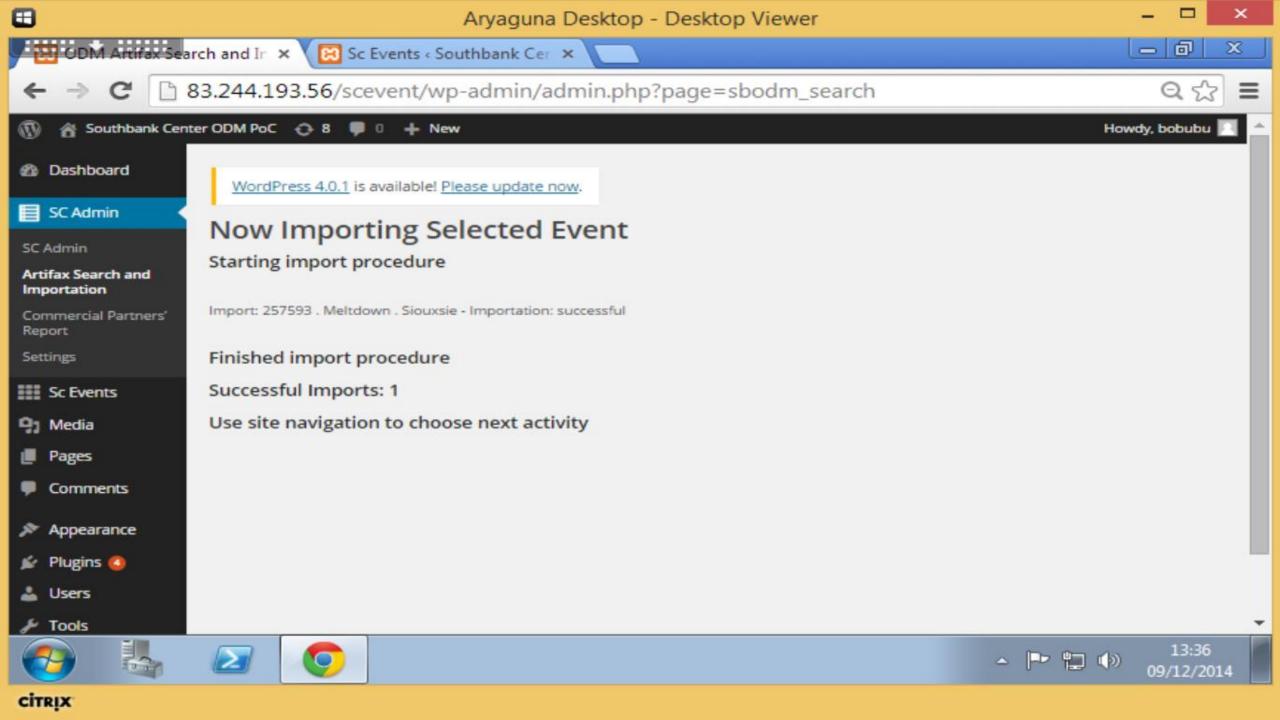
## The two headed beast - adr

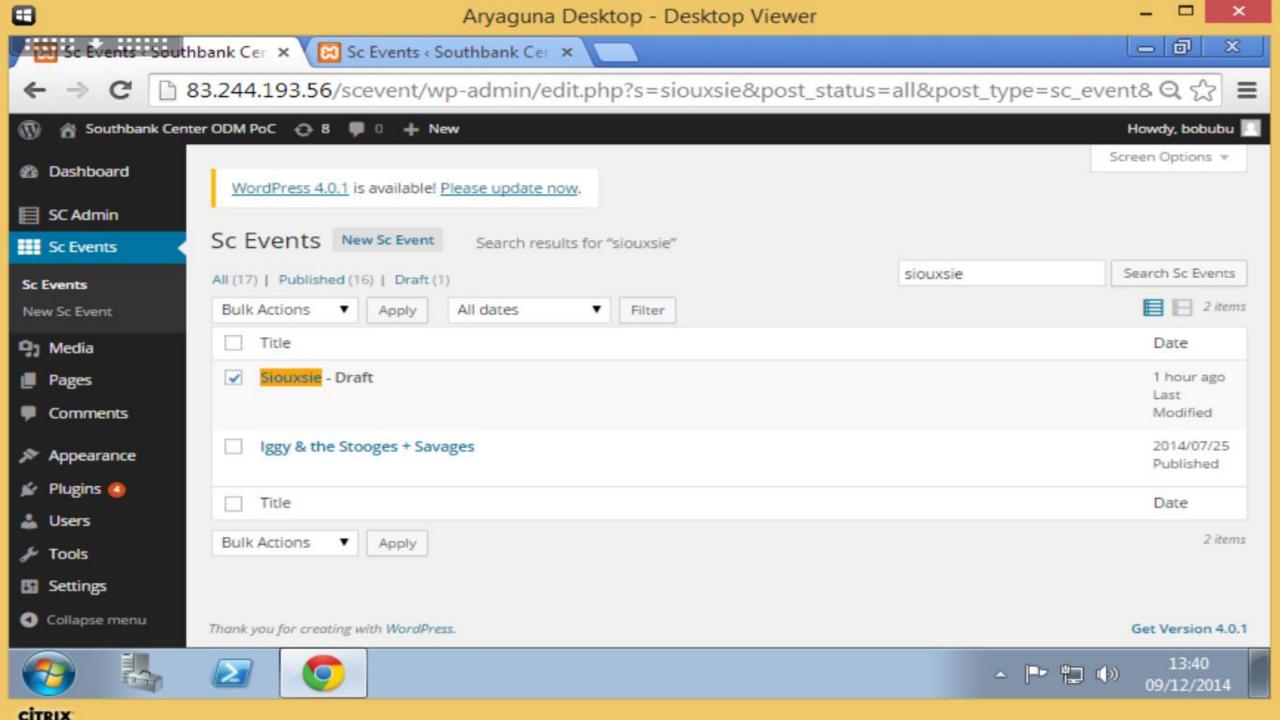


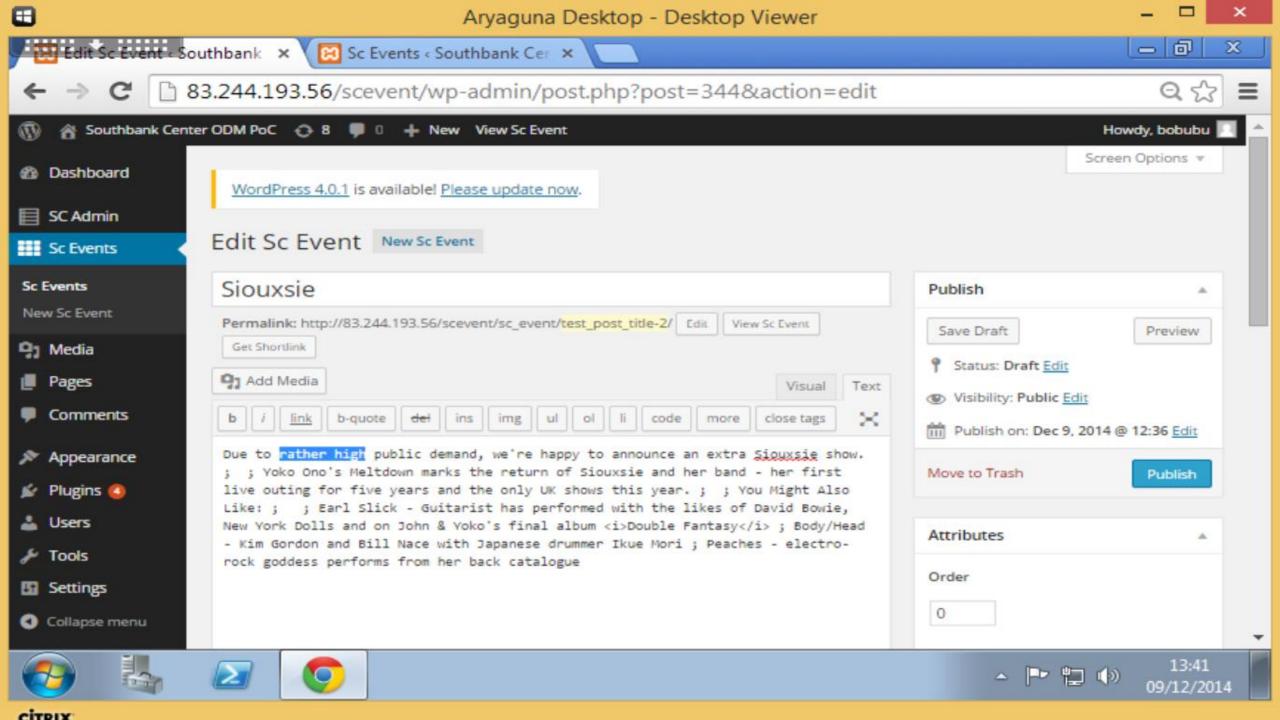


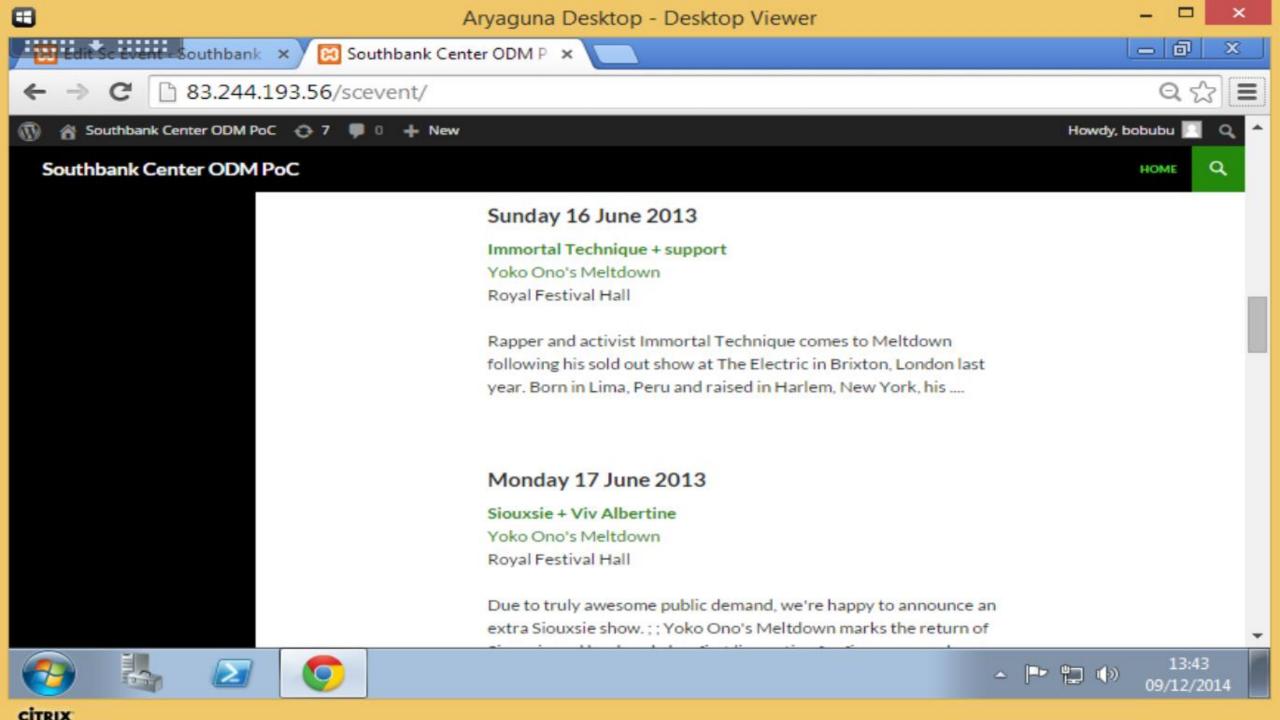


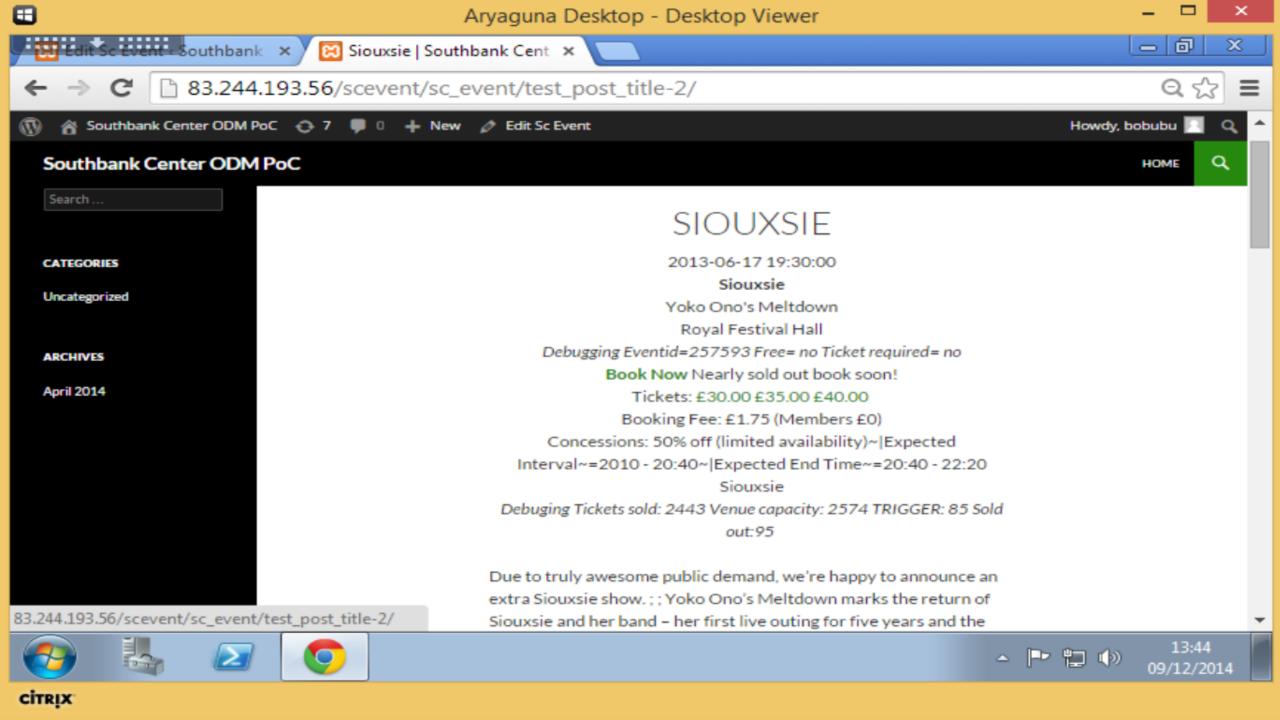


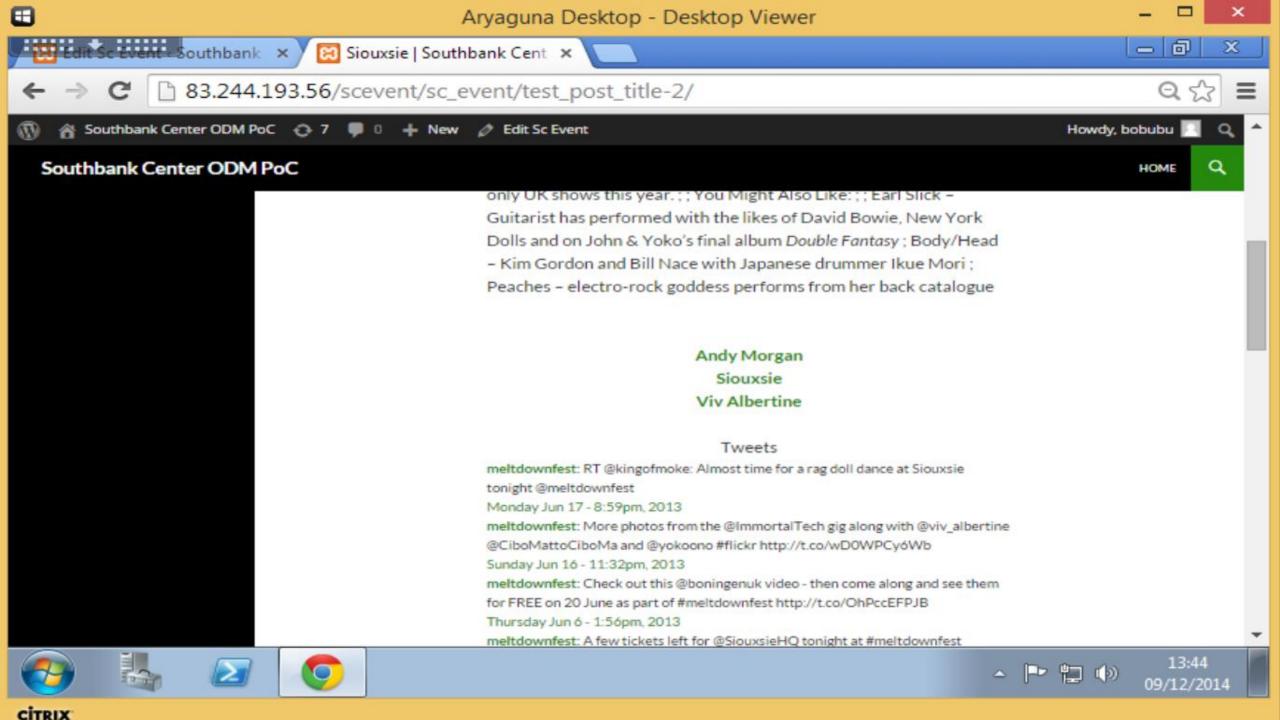


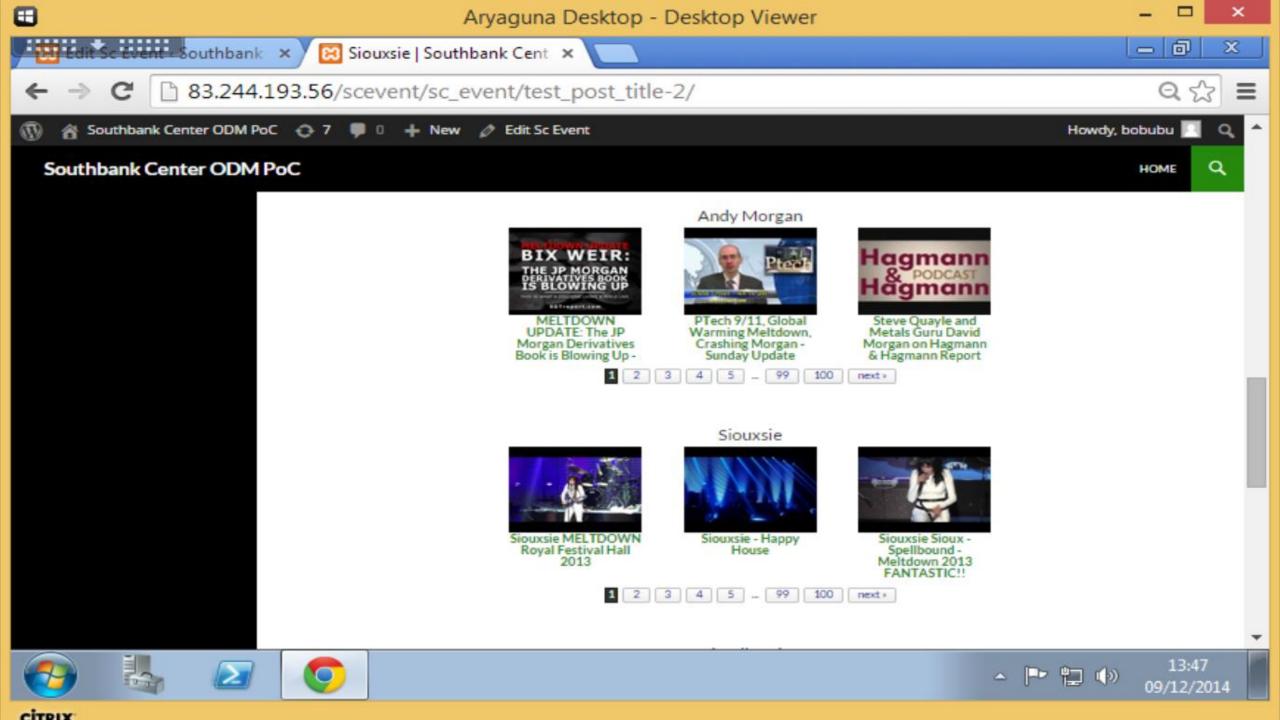


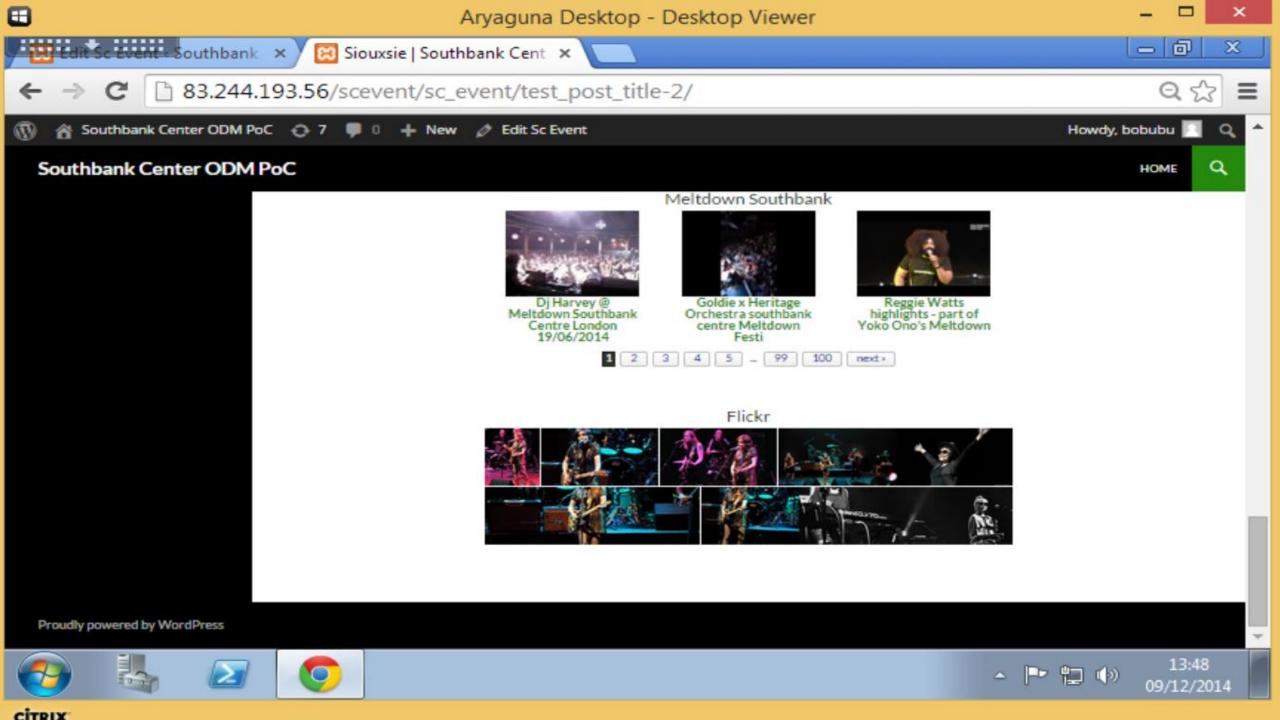


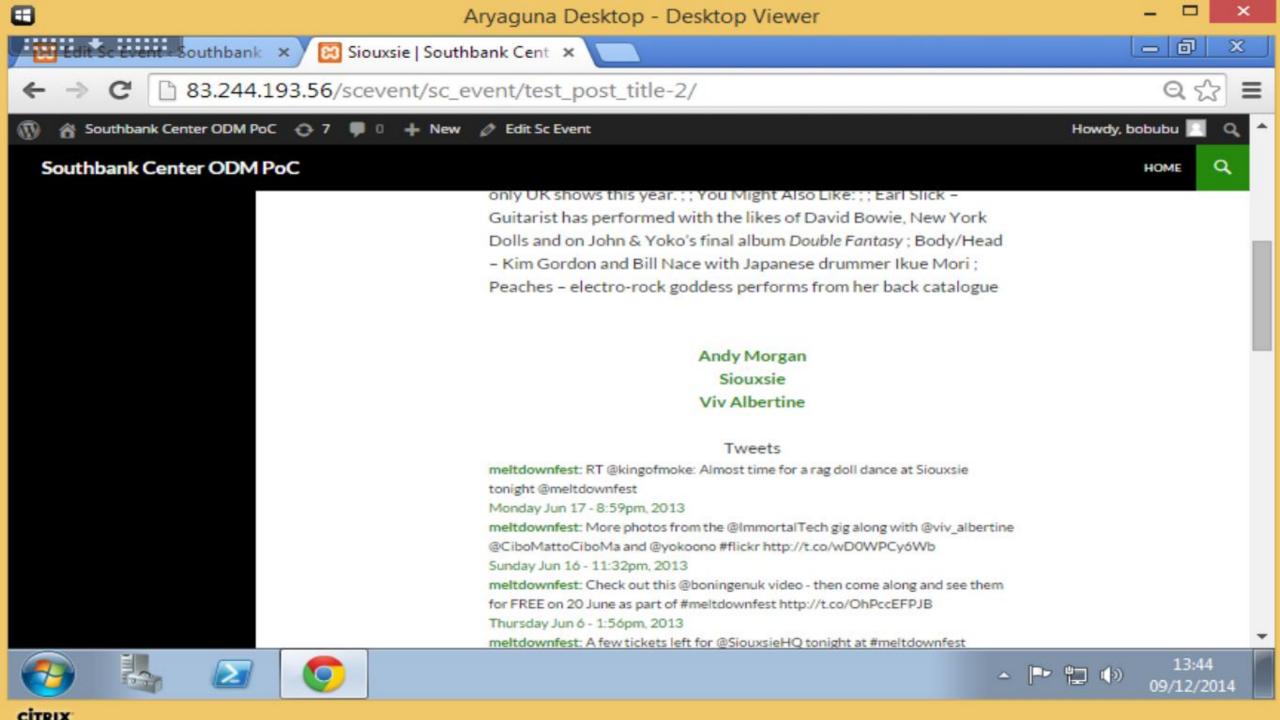




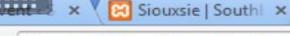


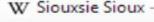


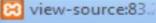




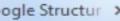
















en.wikipedia.org/wiki/Siouxsie\_Sioux





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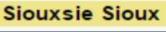
Search

#### Siouxsie Sioux

From Wikipedia, the free encyclopedia (Redirected from Siouxsie)

This article is about the rock singer and lead vocalist for the Banshees and the Creatures. For the Korean-American alternative folk singer, see Susie Suh.

Siouxsie Sioux (/ˈsuːziː suː/, born Susan Janet Ballion; [1] 27 May 1957) is an English singer, songwriter, musician and producer. She is best known as the lead singer of rock band Siouxsie and the Banshees (1976–1996) and its side project The Creatures (1981–2005). Siouxsie and the Banshees released 11 studio albums and several UK Top 20 singles including "Hong Kong Garden", "Happy House", "Peek-a-Boo" plus a Billboard Top 25 hit "Kiss Them for Me" With The Creatures, Siouxsie recorded four studio.





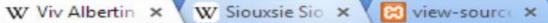




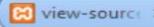


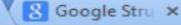


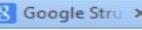
















en.wikipedia.org/wiki/Viv\_Albertine



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#### Viv Albertine

From Wikipedia, the free encyclopedia

Viviane Katrina Louise "Viv" Albertine (born 1 December 1954, Australia[1]) is a British singer and songwriter, best known as the guitarist for the all-female English punk group The Slits. She lives in Hackney, London.

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Early life [edit]















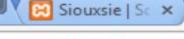








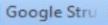














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en.wikipedia.org/wiki/The\_Slits#1976.E2.80.931982



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#### The Slits

Talk

From Wikipedia, the free encyclopedia

The Slits were a British punk and post-punk band. The quartet was formed in 1976 by members of the bands The Flowers of Romance and The Castrators. The members were Ari Up (Ariane Forster) and Palmolive (Paloma Romero, who later left to join The Raincoats), with Viv Albertine and Tessa Pollitt replacing founding members Kate Korus and Suzy Gutsy.[1] Palmolive was replaced by the drummer Budgie (Peter Clarke), formerly of The Spitfire Boys and later of Siouxsie and the Banshees.[1] Although not all line-ups were exclusively female, the three main female members



Background information





Recent changes















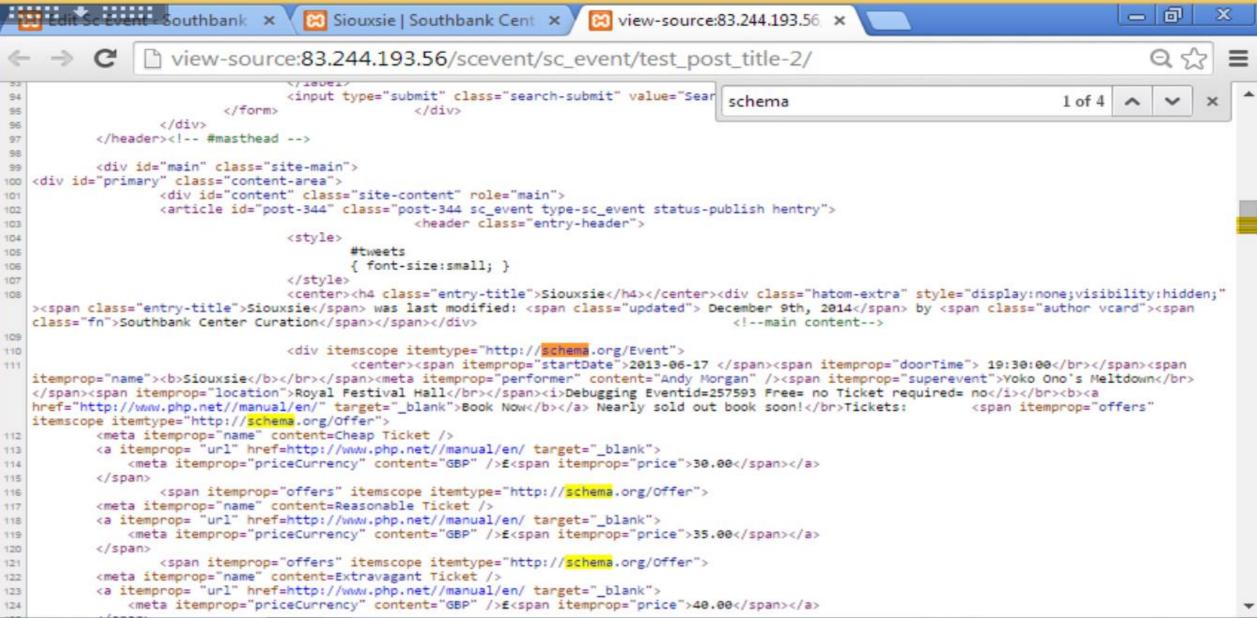






# Disambiguation

Who is the *real* Andy Morgan

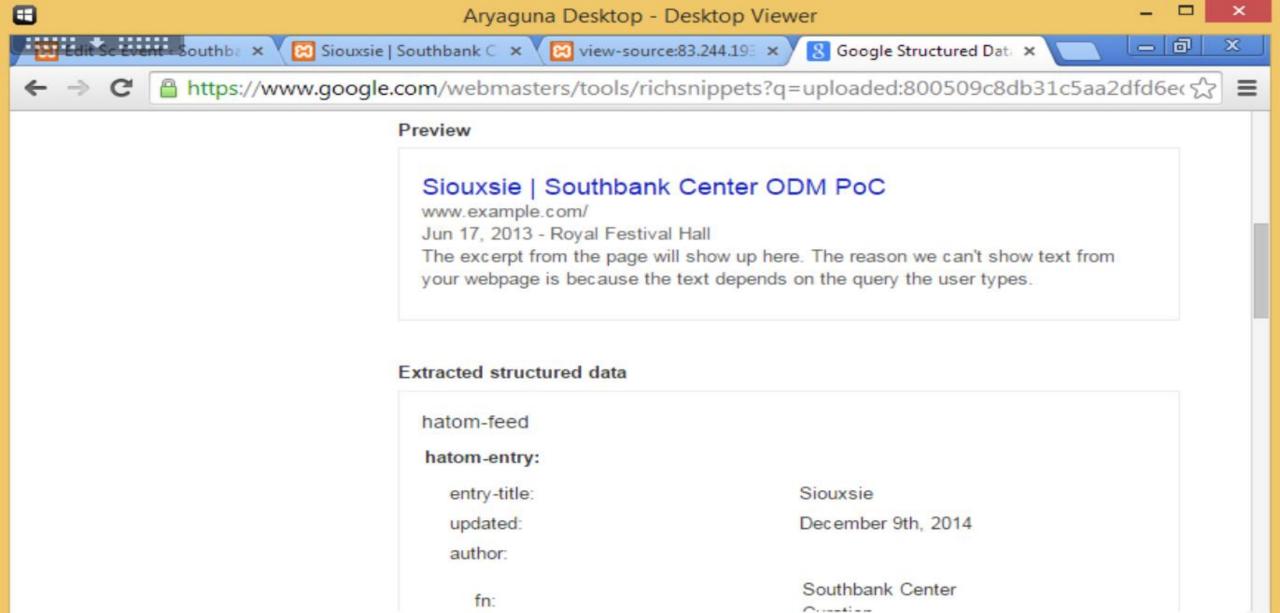














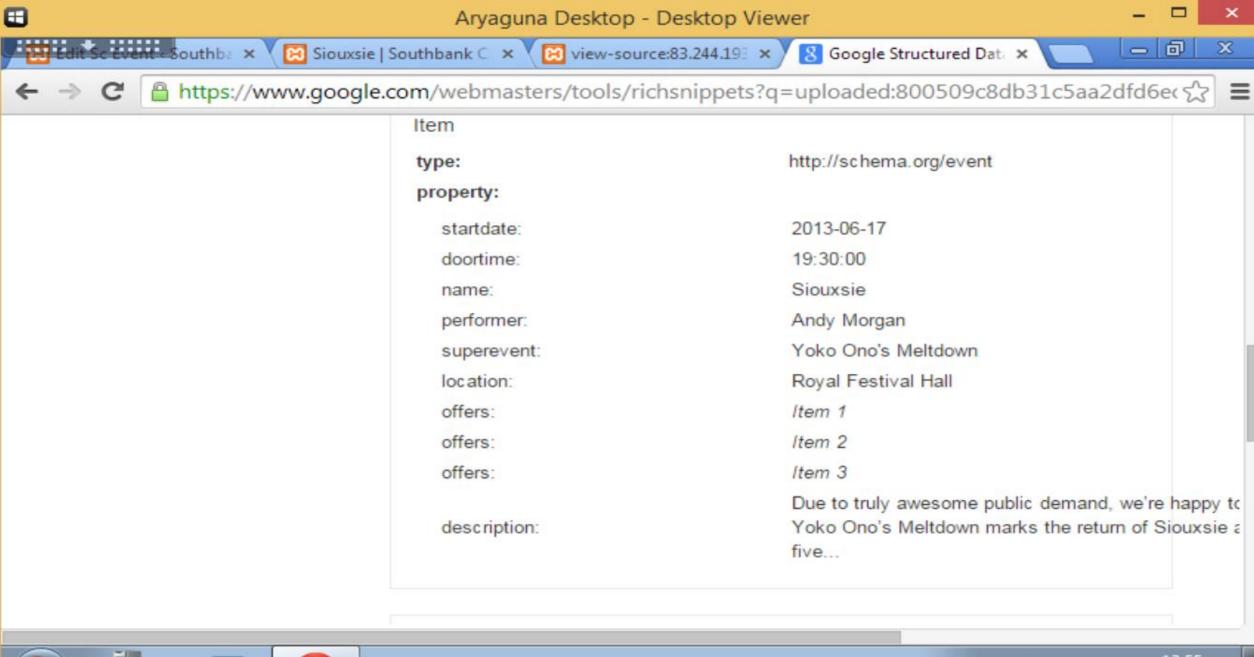










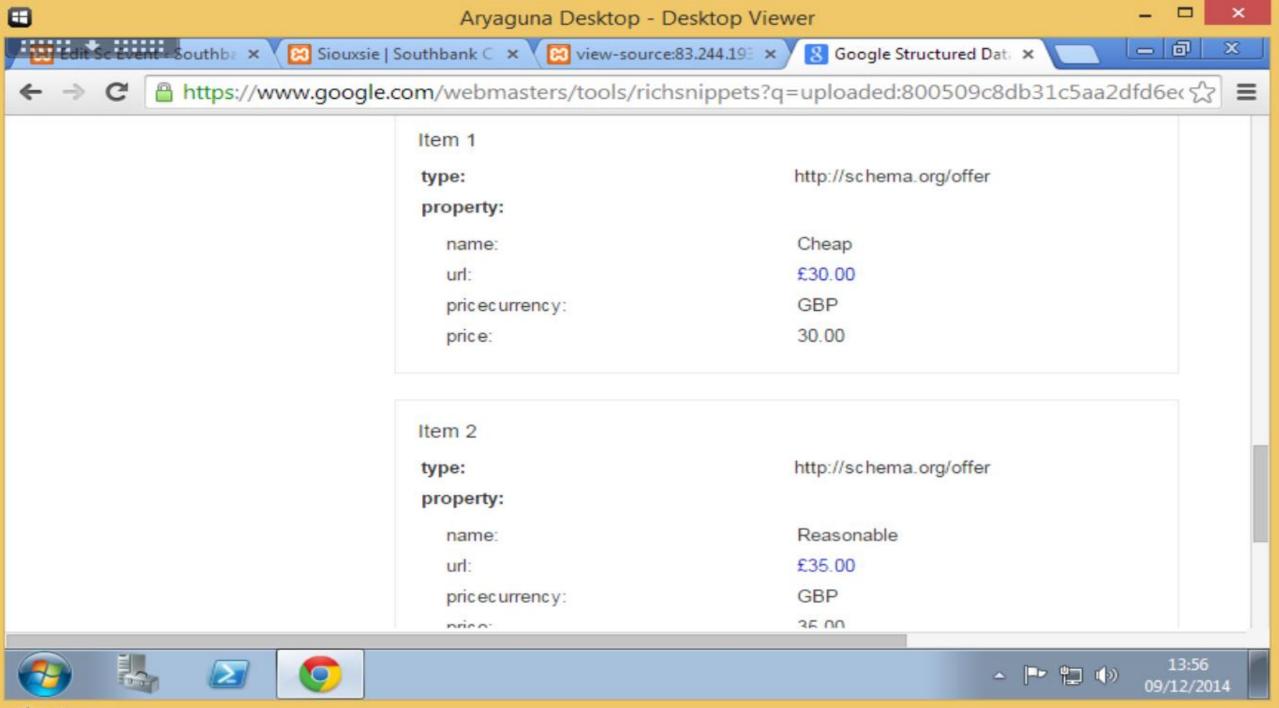












## Linked Open Data or APIs?

Nearest we got to full Linked Open Data was using schema.org markup for Google rich snippets -

Microtagging?

RDFa?

http://json-ld.org/?

HAL JSON?

SPARQL EndPoints?



## Beyond all the technical stuff...

Technical design principles Information governance Business change





## Thank you