

ILRT Web Futures



Semantic Tools for Screen Arts Research

<http://stars.ilrt.bris.ac.uk/>

Programme Meeting - JISC - 26 June 2008



Project Details



- Partners:
 - Watershed Media Centre
 - Dept. of Drama



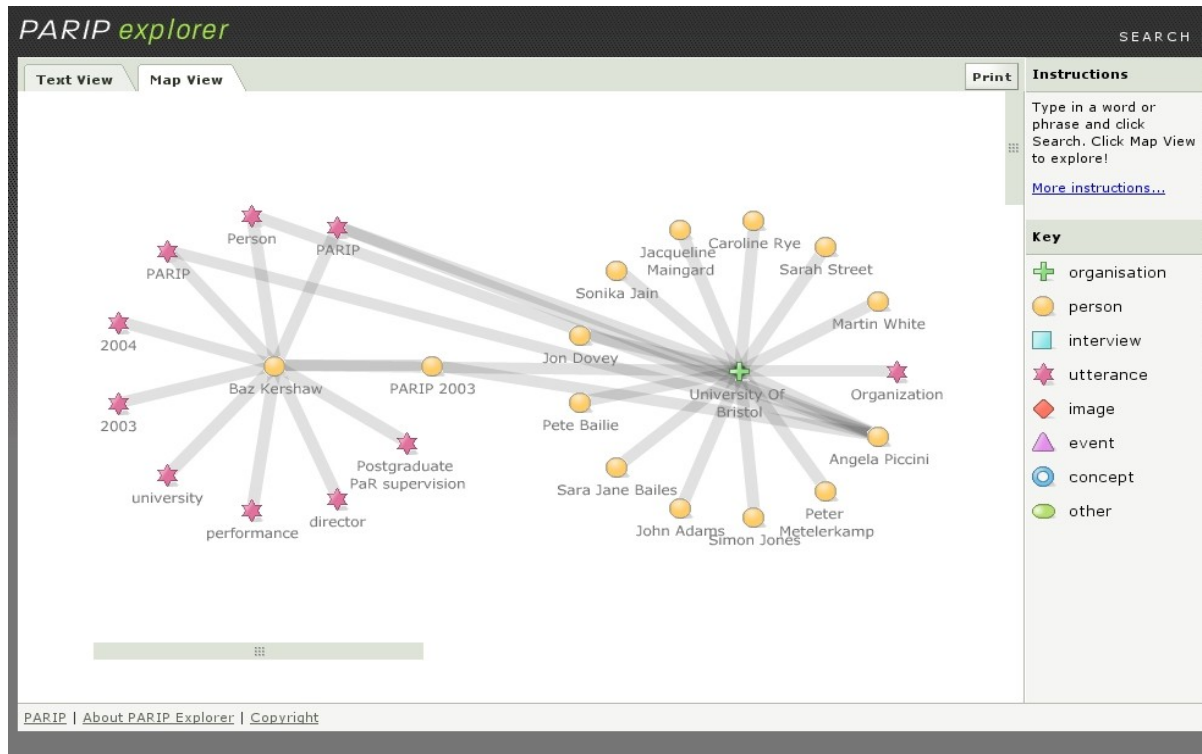
- Following PARIP: Practice as Research in Performance



PARIP



- Performance as a research output
- PARIP Explorer



Project Scope

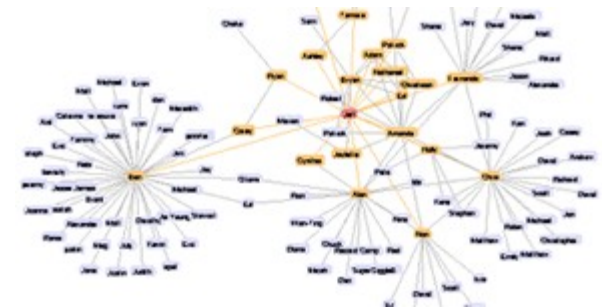
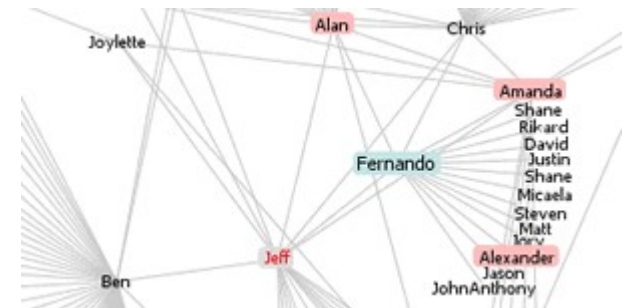


- Domain
 - Screen arts practitioners and researchers
- Discovery
 - People
 - Online practice-led research data
 - Screen arts media recordings
- Data Creation
 - Relationships
 - Media annotations

Areas of Work



- Aggregating distributed metadata
- Visualization techniques
- End-user metadata creation
- Audio-visual media annotation
- Provenance
- Identity and Authorisation
- Smushing
- Ontology / tagging



images from <http://prefuse.org/>

Data Sources



- PARIP: contact details, research interests, research outputs, images, interviews, concepts, questionnaire responses, institutions, projects, ...
- Drama Department Digitisation project
 - 30 years of National Review of Live Art performing arts festival
- e-Dance project
- dShed
 - Bristol Stories
 - Electric December

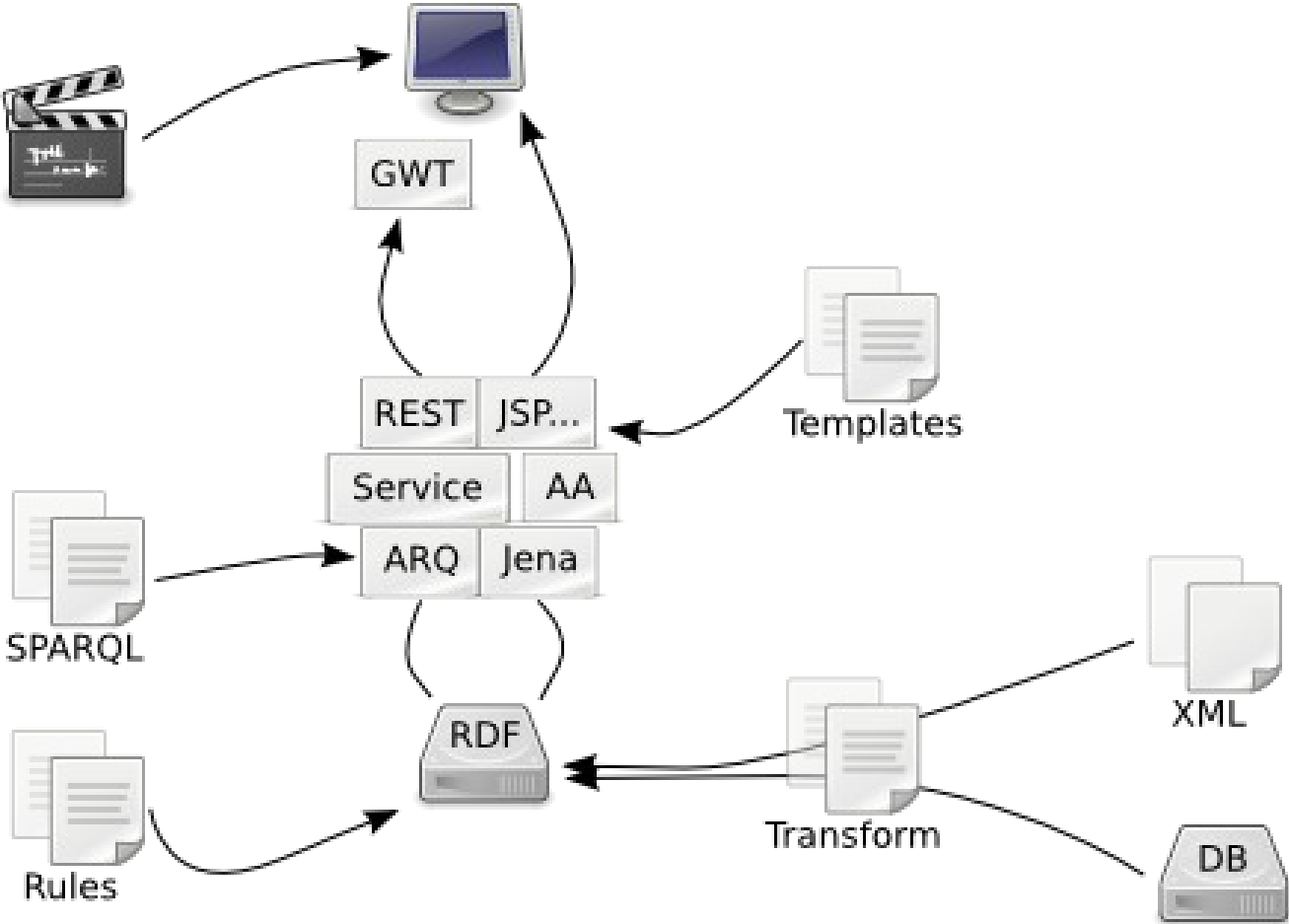


Data Formats



- RDF
 - e.g. Parip
 - FOAF, DC...
- XML
 - e.g. Electric December
 - XSLT
- SQL
 - e.g. Bristol Stories
 - DB → RDF tools (e.g. SquirrelRDF)

Architecture



Progress



- Service layer
 - Jena RDF store
 - SDB or in memory
 - ARQ-based SPARQL support
 - Lucene for free text searching
- Initial data transformations and imports
- FreeMarker views servlet
- Basic authentication
- GWT experiments
- Media annotation tool research

Text View

Search

◆ Image

PARIP Symposium 2001



Description: Workgroup 1: What is practice as research? How might we construct practice as and practice-based research in terms of "originality" and "a contribution to knowledge"? What constitutes a "substantial new insight"? Does it reside in new performance modes or in the research imperatives informing the work?

Made by: [Peter Metelerkamp](#)

Depicts: [Simon Jones](#)

Key

- ✚ Organisation
- Person
- Interview
- ★ Utterance
- ◆ Image
- ▲ Event
- Concept
- Other

Annotation



- Textual annotation
- Media annotation
 - Tools
 - Sakai Project Pad module
 - Various desktop applications
 - Schema
 - Annotea-based
 - Caboto annotation profile type
- Playback

Caboto



- Annotations from CREW
- AJAX at client
- RESTful servlet
- Jena backend
 - Annotations asserted into User's named graph
- Open Source
 - <http://code.google.com/p/caboto/>

Having a logout or/and leave event..

..button from this page would be good.

Created on Mon 16 Jun 2008 13:52:40 GMT

Thanks Mike!

'You need to provide a body.'
Aha! ;-)

Created on Mon 16 Jun 2008 13:58:05 GMT

Double M\$

test with IEx 7.0.5730.13 on WinXP Pro - ok.

Created on Mon 16 Jun 2008 14:12:17 GMT

Relationships



- Form of annotation
 - Held in User's named graph
- `<uri>`
 - `rdf:type ex:RelationshipAnnotation;`
 - `ex:hasSubject <uri>;`
 - `ex:hasObject <uri>.`
- By reifying can make assertions about relationship
 - e.g. ratings

RIA UI



- Rich Internet Application-like UI a requirement
- Important in the arts domain
- Flex, Flash, GWT ...
- GWT
 - Rapidly developing
 - Use Java skills and tools
 - Better user experience (?)

Upcoming Steps



- Annotation
 - Develop media annotation schema
 - Generate sample media annotations
 - Integrate Caboto
- Implement SPARQL templating
- Internal data model decisions
- Develop prototype RIA UI
 - GWT + widget libraries (e.g. Ext-GWT)

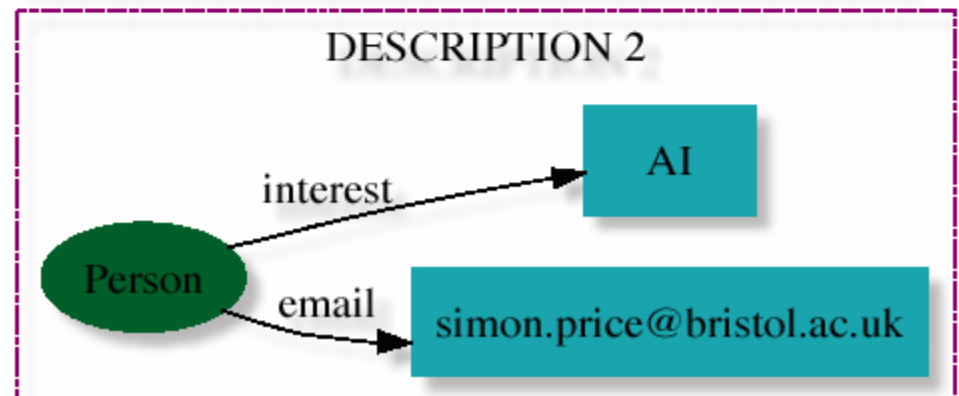
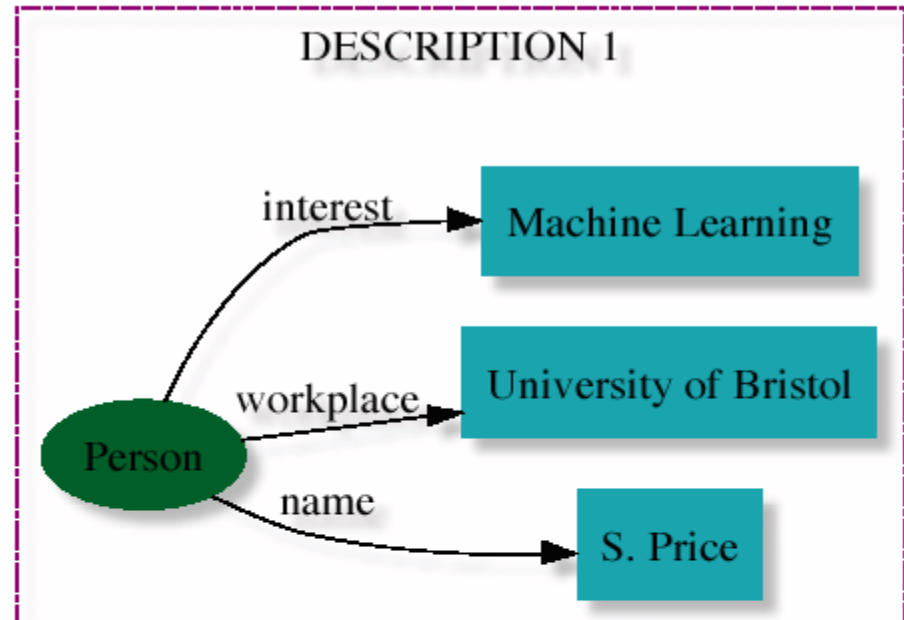
Identity Uncertainty

Related to:

- record linkage,
- duplicate detection,
- reference resolution,
- object identity,
- entity matching, ...

Methods:

- distance-based
- probabilistic-relational
- semantic constraints



Questions



- Provenance and Quality
 - System data
 - User data
- Access management
- Aggregated data model
 - Common schema vs schema linking
 - Display-related assertions
- Visualisation techniques
 - Node and arc?
- Open development