Breakout session on

User Scenarios to implement in the next 5 years

Lead: Carole Goble

Participants: Robert, Jim, Peter, Paul, Ed, Joy, Katy, Kei, Jim, Jim, Sham Shan, Michel, Frank
General Considerations

- Who is “The User”?
The field related to my work
- PhD Student 1st year wanting to write related work – chapter 2 generator
- Inter-discip researcher looking for related work
- Database developer build new system for new area – need to learn about that technology
- Scientists using Science maps to tap into real-time data – movies.

People centric
- People prompter – who is this person and how do they relate to the world: “X” prompter
- People finding for reviewers, undisclosed conflicts

Feel for the zeitgeist
- Programme manager pitching a new programme and need to demo impact of previous programme
- Research funding agencies gaps and IMPACT
- Journalist
- Automated roadmaps
The field related to my work

- Inter-discip PhD Student developing new thing wanting to write related work – chapter 2 generator

WHAT, WHEN, WHY, WHERE, WHOM, HOW

- Comprehensive integrated database

- Find context and marshal around the context
  - First class way of representing context.

- Linking/intermapping between domains and in domains
  - Upper ontologies to lay connections between domains? Feasible?
    Cross ontology linking. Ontology bridges.
  - In 5 years this problem will still exist? Or be solved.

- Must present this in a really clear and explainable way.
What is the LEAST we need to do?

FRONTEND
- Lightweight mash-up tool to make current sources available
- Libraries and IR using existing feeds – OAI-ORE as Linked Data
- Visualisations and ways of expressing requirements not using Sparql

BACKEND
- Operators/Workflows for Slicing and dicing to create science maps.
  Understanding the workflow.
- Scalable analyse across very large datasets for pre-processing.
- Format transformations using Semantic Web? Describing core ISI and Scopus data

Providers
  Common naming/ids and common/bridging/mapping between ontologies

Mappers
  Legacy tool migration.
  Tools consuming RDF

Science Maps as a Linked Open Data Service?? – to feed the mash up
Like Open Calais. Like wordle.
  the maps (step 7)
  the data (steps 1-6)
One poster child example.

- Describe core ISI and Scopus data using Linked Open Data, SOIC, FOAF, SWRC etc.

- Create a mechanism for importing RDF into Katy’s and Ed’s toolsets without changing them is possible.

- And export Katy’s and Ed’s data as Linked open data.
• What’s the user need - when where what why with whom
• Scenario’s for Semantic Web and Science Mapping
• Low hanging fruit tasks?
Proposed Solutions
Associated Challenges and Opportunities