

- **There are 5 dimensions we need to consider to characterise the next version of ASPL**
 - New Services
 - E.g., impact analysis
 - Ontologies
 - Domain, argumentation, etc...
 - Resources (learning material, data, existing services)
 - Ontology Population
 - Integration with IE engines, scrapers, and support for manual annotation
 - Infrastructure
 - Magpie vs portal
 - Collaboration/communication/COP
 - Intg. Of buddyspace
 - Summer school students as a continuum community
- **These dimensions are analysed in the next slides....**

Services (infrastructure issues)

- Accessible through various infrastructures
 - through ASPL portal
 - through magpie
 - through Summer school portal for community activities
 - use existing UPM or build new one?
- Repository
 - WebOnto vs RDF repository?
 - *OU to make suggestion*

New Services (1)

Find authors

“find people who publish on topics related to the semantic web”

OU to take care of this

martin to lead, jianhan/victoria can provide input

Find prominent authors

e.g., author of useful paper as determined by students

e.g., author of high-impact paper....

OU to take care of this

martin to lead, jianhan/victoria can provide input

Also index above tasks

by topic (e.g., ontology mapping); by project; by community....

Potential sources of knowledge for above tasks

flink system (peter mika)

citeseer.eu (trento)

13s (hanover) recommender system - provides a citation index for papers, authors,

New Services (2)

- Find research areas (OU, L3S, UAIC)
 - Short term vs long term
 - Initially short term - batch mode solution. We simply provide a list of research areas (13s - mid june)
 - Dynamic maintenance - mid-sept (OU- martin)
- Find people who work in research areas (OU, UAIC)
 - End of july (jianhan)
 - Try out armadillo to identify links between people and res. Areas (martin)
- Find papers of people in research areas (UAIC, OU)
 - mid-october for initial results
- Investigate interoperability with additional repositories
 - Martin, mid sept. - joerg to provide input

New Services (3)

Find prominent papers

basically done with respect to existing services

focus on annotation by community

different ranking methods

different purposes

annotation by students/authors/

sem annotation

work from trento? (paolo massa)

text (e.g., blogging)

most useful

relation between papers

“read x before y”

need a “comment ontology”

role of inf extr.?

New Services (4)

Find prominent clusters/communities

longer term....not to be investigated before october.....

reasoning/mining

co-authors who define an approach/paradigm

e.g., horrocks/patel schneider vs carroll

visualization/navigation

multiple views

maps/graph clustering

New Services: Community Annotation

- Community annotation
 - ‘pragmatic scholonto’ (for students)
 - Ontology of commenting
- Build ontology (OU, martin)
 - 1st july
- Define annotation task (OU, martin)
 - With examples
 - 1st july
- Provide suggestions for annotation support (UAIC)
 - mid july
- Implement/reuse annotation support
 - mid october

New Services: Support for Document Interpretation

not to be investigated before october.....

- claimspotter
- Summarizing
 - Dan Cristea's contribution?
 - Focus summaries (e.g., by person)
- Semantic citation analysis (teufel, now uren)
- Tools to create kn. Charts
 - Automatic creation of Kn.charts
 - Use of corder?
 - Other text mining /clustering methods?
 - Inf. extraction

Ontologies

- AKT ontology
- ‘pragmatic scholonto’ (for students)
 - Aldo?
 - Karlsruhe ontology (they have argumentation ontology)
 - OU/Martin to take lead
- Learning ontology
 - Inria to do this at some point?
- Community/ASPL ontology
 - Extension of the akt ontology with a focus on ASPL learning services. E.g., being the focus in a community
 - OU/Martin to take lead