Semantic Web Services Panel

Two observations and attractions

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Observations / Obstacles

*History – Learn it or repeat it*

- This about action!
  - Why are we ignoring all the work done on processes enactment (execution)?

*Simplicity – KISS*

- Why are we ignoring major results of usability?
Services have multiple aspects!
Curtis et al (1992) CACM 35(2)
Using process-specifications to chain programs/procedures across computers

Introduction

- 1977: CACM 20(11)

Don’t ignore and/or reinvent work on processes
Process Interchange Formats
PIF, PSL, …

- Process interchange formats
  - Typically based on KIF
  - Translate between ontologies using partially shared views

➔ Don’t ignore and/or reinvent work on processes
MIT Process Handbook

- Process repository and editing tool

- Contents
  - Over 5000 processes and activities,
  - Generic business models
  - Taxonomy of generic *activity* types
  - Case examples, on-line discussion forums

- Represents processes using
  - decompositions (part of)
  - inheritance (type of) hierarchy
  - dependencies
Simplicity – Main Obstacle
Let us look at service retrieval…

- Professor of Speech Pathology
- In her late 50’s
- wants to find a data analysis service
- Will she learn RDF, UDDI++, OWL, etc.?

- Student of Computer Science
- Will he learn RDF, UDDI++, OWL?
  - Yes
- But will he use it on a regular basis?

→ NO

Social Problem!!!!!!!

- Remember LClint...
Attractions

- Makes the semantic web active
  - Lot’s of applications and needs
- Gracefully integrate human and machine activity