Ontology Matching
OM-2008

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OM-2008

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Discussion and wrap-up

- OM-2008 workshop dinner
  - Multi Kulti restaurant at 20:00, Schlosplatz 19, D-76131 (15-20 mins walk from here)
- OM-2009 & OAEI-2009
- Challenges for ontology matching
- OAEI future actions
- Role of final users in ontology matching

Challenges for ontology matching

- Large-scale evaluation
- Performance of ontology matching techniques
- Discovering missing background knowledge
- Uncertainty in ontology matching
- Matcher selection and self-configuration
- User involvement
- Explanation of matching results
- Social and collaborative ontology matching
- Alignment management: infrastructure and support
- Reasoning with alignments

OAEI future actions

- Test cases with diversified relations
- Instance matching
- Other missing test cases (expressive)
- How to sustain OAEI?
- EU funding: FP7, CIP
  - ICT event in Lyon: November 25-27, 2008
  - InfoDays in Budapest: January 22, 2009
- What can we learn from the CADE, SAT and TREC campaigns to maximize impact?

Role of final users

- It is rarely the case that final users are directly involved in the definition of use cases in ontology matching research projects (some exceptional examples include OpenKnowledge, STITCH, …)

- Involving final users into R&D cycles requires addressing a social challenge of integrating relevant actors: research centers, technology providers and user institutions …

- In order to foster an early practical exploitation of the matching prototypes, it is necessary to directly involve final users in R&D cycles

Evaluating non equivalence mappings in OAEI [by Marta Sabou]

- Increasingly, systems are able to derive more than just non-equivalence mappings (e.g., Asmov, TaxoMap, Spider)
    - The OM field is clearly advancing in this direction
- No explicit support exists for their evaluation in (most of the) OAEI tracks
    - Spider obtained a precision value of 15% by comparison to the ref alignment, yet expert evaluation indicates 60%+ values.
- We propose a new track which focuses on evaluating non-equivalence mappings thus:
    - responding to the current advances in the field
    - encouraging the development of more matchers with advanced functionalities

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Thank you

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