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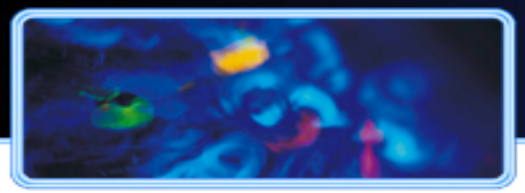
T2.2. Methods and Tools for re-engineering of non-ontological resources

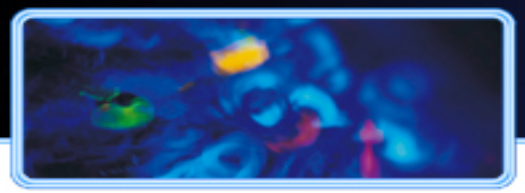
D2.2.4 "Final version of methods for re-engineering and evaluation"

Sofia Angeletou (OU), Holger Lewen (UKARL), Mari Carmen Suárez-Figueroa(UPM) Boris Villazon (UPM),



Summary Related Work

- T2.2
  - NeOn Method for Re-engineering NOR (UPM)
  - FLOR Folksonomy Enrichment (OU)
  - Open Rating Systems (UKARL)
- Deliverables
  - D2.2.2 Methods and tools supporting re-engineering
  - D2.2.3 Methods and Tools for the Evaluation and Selection of Knowledge Components



Summary Of Future Work

- Completion of T2.2.
  - Evaluation of Folksonomies re-engineering (OU)
  - Refinement of methods and reengineering patterns for transforming NOR into ontologies (UPM)
  - Evaluation of Open Rating Systems (UKARL)

- Deliverables
  - D2.2.4 Final version of methods for re-engineering and evaluation (M44 October)

Evaluation of Folksonomy re-engineering

Sofia Angeletou (OU)

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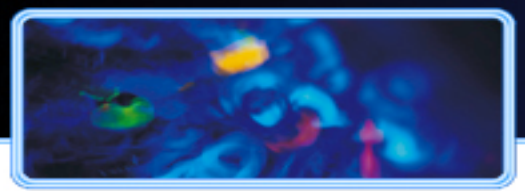
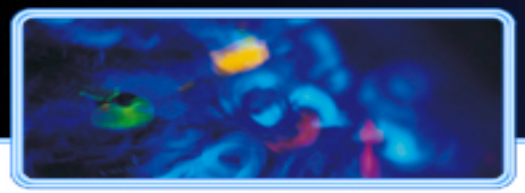


Goal

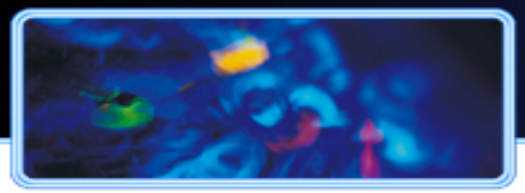
- Fully automatic folksonomy enrichment, to obtain semantic structures for the representation of tags and resources.
- Evaluation of the enriched folksonomies in terms of user experience.
  - Comparative evaluation of search expansion based on the enriched folksonomies against the conventional search mechanism built in folksonomies.
- User based Studies on two datasets of Flickr

FLOR
FoLksonomy Ontology enRichment



Status

- Enrichment of two folksonomy datasets, PlantDirectory and the MIR-Flickr 25000 collection (used by ImageCLEF 2009) completed
- Search expansion algorithm (completed), based on:
  - Hierarhical relations
  - Meronymy
  - Instantiations
- User based experiments:
  - in Plant Directory dataset completed
  - In MIR Flickr 25000 ongoing
- Open issue: evaluation of the enrichment algorithm on a NeOn use case-related domain (possibly fish-related) todo



Thank you

- Questions?
- Suggestions?