WP2 - Collaborative aspects for networked ontologies

Dubrovnik – 2009-06-26

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Kalima (CNR) and NTK plugins

- Kali-ma – before first release
  - Agreement on plugin information collection (jointly with gOntt)
  - Agreement on integration/interactions with gOntt
  - Descriptions of Cicero, COAT, OntoConto, Watson, ODEMapster, Ontology Visualization, Label Translator, RaDON etc. (M42)

- Kali-ma – first release M43
  - Browsing tools based on codolight (~~~~~~~~ ~~~proved interface)
  - Widgets open plugins
  - Integration with gOntt

- Kali-ma – second release M46
  - Support for widgets performing tasks and "w~~~~~~ ~~~pipelines) – internal release in advance!
  - Set of plugins and workflows (scenario s~~~~~~~~ases, from WP8)

- Kali-ma integration for plugin developers – next steps?
  - Joint instructions for gOntt and Kali-ma integration will be provided
  - M43 (September) plugin developers provide requested information
    - + Feedback to the codolight ontology! - "Evaluation through usage"

(D2.3.4@M43 watermark)

(D2.3.5@M46 watermark)

- **Evaluation of Folksonomies re-engineering (OU)**
  - Evaluation using online datasets (e.g. collected fr~~~~
  - User studies comparing pure folksonomy s~~~~ ~~~~ed folksonomies
  - Next step: use case-related datasets

- **Evaluation of Open Rating Systems (UKARL)**
  - Several categories of users, and categories ~~~~ ~~~~ted
  - Comparison to a model of expected ratin~~~~ ~~~~ and errors)
  - Next steps: minor improvements based o~~~~ user feedback

- **Refinement of methods and reengineering patterns for transforming NOR into ontologies (UPM)**
  - E.g. formalization of the resource and transf~~~~
  - Evaluation by comparing against manuall~~~~ ~~~~ (use case)

D2.2.4@M44

D2.2.4@M44

D2.2.4@M44

- **New release of COAT (USFD) M43**
  - Functionality to add new classes
  - Import and export functionalities (locally stored files)

- **Social network analysis tools (JSI)**
  - To be applied in WP7 context

- **Cicero (UKO-LD)**
  - Recent release out
  - Only Kali-ma integration planned in WP2

LIR enhancements and reengineering of lexical resources

- Current activities
  - The Linguistic Information Repository (LIR) has been enhanced and integrated into the ontology network
    - Extensions for alignment to Agrovoc concept server etc.
    - LIR alignment to standard translation representations
    - LIR – LMM alignement
  - Reengineering
    - Lexical/terminological resources to ontologies
  - Version 3 of the Label translator plugin (UPM)
    - Final version M41

- Continuation of D2.4.3 until M48 (USFD, CNR
  - Further integration of LIR and Lexical Markup Framework (LMF)
  - Alignment of LIR with SKOS
  - Re-engineering on the basis of ontologies
  - Extension of LMM umbrella network

D2.4.3@M41

D2.4.4@M48 ?

- **Pattern-based design**
  - definition of **requirements** for the working ontology
  - **selection** and import of ontology patterns related to the requirements
  - **specialization** of patterns in domain-related entities and **composition** of patterns' entities
  - ontology (new pattern?) **annotation**
  - ontology (new pattern?) **publishing** on the web

- **Plugin components: ODP repository browser, wizard, GUI, assistant, annotation, publishing**

- **XD - next steps**
  - First release M42
    - NeOn toolkit integration, basic functionalities
  - Second release M44
    - Full functionalities (see above)
    - Cupboard (Watson) integra~~~~ ~~~~ating retrieval etc.

D2.5.2@M44

- **Current activities**
  - Adding several new areas for structural and correspondence patterns, possibly also lexico-syntactic and others (M40)
  - Review process starts with WOP@ISWC2009 (M42)
  - Dissemination of the portal (tutorials, WOP, courses, papers…)

- **ODP portal – next steps**
  - Evaluation and revision of user interface in the portal
    - Pattern presentation study done by students (context of WP5)
  - Open Rating Systems to complement the open reviews and pattern statistics (most downloaded etc.)
  - Search functionalities (through Cupboard)
  - Modelling issues - patterns
  - Template refinement – formal pattern r̶ ̶ ̶ ̶
    - Re-engineering patterns soon to be t̶ ̶ ̶ ̶ ̶ ̶ ̶sented and use specialized template

D2.5.2@M44

- Website: http://ontologydesignpatterns.org/wiki/WOP2009:Main

- Three parts: papers, posters, and patterns

- "Pattern writing" sessions
  - Patterns submitted through the ODP portal
    - Structural patterns (logical and architectural)
    - Correspondence patterns (re-engineering and alignment)
    - Content patterns
  - Reviews by PC and/or QC members
  - Accepted patterns get an advisor
  - Extended abstract published in proceedings
  - At the workshop
    - Discussion of issues
    - Improvements of the pattern
  - Possible certification
  - (Investigating special issue in a well known journal)

- Task 2.1 Formal specification of collaborative aspects of ontology design. (No deliverable)
  - **CNR**

- Task 2.2 Methods and tools for collaborative engineering of ontologies. (D2.2.4@M44)
  - **OU, UPM, UKARL, (USFD, JSI)**

- Task 2.3 Methods and tools for supporting collaborative design of networked ontologies. (D2.3.4@M43 and D2.3.5@M46)
  - **CNR, USFD, (UKO-LD, UKARL, JSI)**

- Task 2.4 Multilingual and localization support for ontologies. (D2.4.3@M41and D2.4.4@M48)
  - **USFD, UPM, CNR, (FAO)**

- Task 2.5 Library creation and management support for ontology design patterns. (D2.5.2@M44)
  - **CNR, UPM, (USFD, OU)**

- Focus is on Kali-ma and ODPs
  (as requested also by reviewer comments)

- Additional revision, evaluation and new releases of existing assets
  - Codolight feedback through usage - revision
  - ODEMapster – UPM will decide where to take the effort (alt. WP7)

- Kali-ma next steps
  - gOntt integration
  - Information collection about plugins – instructions will follow
  - Two releases: M43 and M46

- XD plugin – ODP portal next steps
  - ODP portal – Cupboard (inkl. Open Rating System) – XD integration
  - Two releases of XD: M42 and M44
  - This month: ODP portal extended to new pattern types, reviewing etc.