

A Method for Reusing and Re-engineering Non-ontological Resources for Building Ontologies (Studies on the Semantic Web)



The general objective of this work is to provide domain- and resource-independent methods and tools for speeding up the ontology development process. This is achieved by reusing and re-engineering available non-ontological resources (NORs) as much as possible. To fulfil this overall goal, the author has decomposed this publication into the following methodological and technological objectives:

- The definition of methodological aspects related to the reuse of non-ontological resources for building ontologies
- The definition of methodological aspects related to the re-engineering of non-ontological resources for building ontologies
- The creation of a library of patterns for re-engineering non-ontological resources into ontologies
- The development of a software library, NOR2O, that implements the suggestions given by the re-engineering patterns.

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A Method for Reusing and Re-engineering Non-Ontological Dec 1, 2011 Ontology Engineering in a Networked World Reusing and Re-engineering Non-ontological Resources for Building Ontologies The reuse of such non-ontological resources necessarily involves The method is based on the so-called re-engineering patterns, . Springer for Research & Development. dition in philosophy, where Ontology denotes the study of being or . certain conceptual structure is or is not an ontology is to enumerate the . of methods and tools to build, maintain and reuse Semantic Web ontologies [44, 63, 80, .. ontological resources, ontology engineers might use one of the few ontology **Reusing and Re-engineering Non-ontological Resources for** Reusing knowledge resources, specifically Ontology Design Patterns then, relevant works on patterns have been the Semantic Web Best Practices and .. following a method to guide the ODPs reuse during the ontology building and (b) . Villazon-Terrazas, B. PhD Thesis: A Method for Reuse and Re-engineering Non-. **Case Studies on Ontology Reuse - Freie Universitat Berlin** The body of research in all aspects of Semantic Web development, design, Building Chemical Ontology for Semantic Web Using Substructures Created by A Pattern-Based Method for Re-Engineering Non-Ontological Resources To speed up the ontology development process, ontology developers are reusing all **Ontologies and Semantic Web (2012) OCW UPM** Oct 19, 2014 The Semantic Web: a new form of web content that is meaningful to on The Semantic Web: Research and Applications, June 03-07, 2007, A method for re-engineering a thesaurus into an ontology. A method for Reusing and Re-engineering Non-ontological Resources for Building Ontologies. **2 Ontologies and Ontology Engineering -** Apr 18, 2011 Introduction Apply software re-engineering concepts to Ontology A Method for Reusing and Re-engineering Non-ontological Resources for Building Ontologies . Ontology engineering gy g g Semantic-Web Best Practices and Aspects NOR relations Resources / Semi- Guidelines Research Work **A method for reengineering a thesaurus into an ontology _FOIS** The method can not only be used for re-engineering thesauri, but does also Ontology construction, thesaurus re-engineering, thesaurus reuse Such resources could be generic relations of a thesaurus, where normally all hierarchy building (iii) In the Semantic Web and Open Linked Data initiatives it is popular to **A Pattern-Based Method for Re-Engineering Non-Ontological** AbstractWe discuss in this paper, semantic web method- ologies, best the semantic web best practices and not reliable. Moreover and methodologies can I use for building ontologies?, (2) and re-engineering ontological resources, (7) reusing ontology The European Research Cluster on the Internet of Things. **Research paper: Essentials In Ontology Engineering** Throughout the entire module open research problems will be set that allow reuse, reengineering, etc. methods and techniques for the annotation of resources To be able to build consensuated ontologies by reusing ontological and non **Reuse of termino-ontological resources and text corpora for building A Pattern-Based Method for Re-Engineering Non-Ontological** Ebook: A Method for Reusing and Re-engineering Non-ontological Resources for Building Ontologies. cover. Series. Studies on the Semantic Web. Volume. 12. **Re-Engineering Non-Ontological - Archivo Digital UPM** This research is being applied to three uses cases: (1) the M3 framework assisting AbstractWe discuss in this paper, semantic web method- the semantic web best practices and not reliable. and methodologies can I use for building ontologies?, (2) and re-engineering ontological resources, (7) reusing ontology. **A Pattern-Based Method for Re-Engineering Non-Ontological** Semantic Web has grown into a mature field of and Re-engineering Non-ontological Resources for Building Ontologies Vol. **Semantic Web Methodologies, Best Practices and Ontology** A Method for Reusing and Re-engineering Non-ontological Resources for Volume: 12 of Studies on the Semantic Web ISBN print: 978-1-61499-044-4 ISBN to the reuse of non-ontological resources for building ontologies The definition **A Method for Reusing and Re-engineering Non-ontological** Key Words: Semantic Web, ontology engineering, ontology reuse. 1 Introduction. While it is generally accepted that building an ontology from scratch is a resource- based application, the underlying ontology is built from scratch, does not resort to studies in which existing knowledge sources are involved in building new. **A network of ontology networks for building e - Semantic Scholar** Dec 8, 2008 Conference: The Semantic Web, 3rd Asian Semantic Web The reuse of such non-ontological resources necessarily involves their Research on Ontology Engineering methodologies has provided methods and NeOn methodology is Building Ontology Networks by Reusing and Re-engineering. **A Pattern Based Approach for Re-engineering Non-Ontological** the Semantic Web, the Semantic Grid, and the Linked Data initiative. During the last Which methods and methodologies can be used for building ontologies? . o Scenario 2: Reusing and re-engineering non-ontological resources (NORs). **Paper: Semantic Web Methodologies, Best Practices and Ontology** Ontology Engineering with Ontology Design Patterns: Foundations and Linked Data scientists lack the resources and methods to evaluate theirwork . A Method for Reusing and Re-engineering Non-ontological Resour- knowledge (document- vs. network-oriented), and thus contributes the building blocks for effec-. **Towards the reuse of standardized thesauri into ontologies** ATHENS

Course: Ontologies and the Semantic Web Resources for Building. O t l i Patterns for Re engineering Classification Schemes resource whose semantics has not yet been formalized by an ontology. . Research Methodology. **A Method for Reusing and Re-engineering Non-ontological** International Journal on Semantic Web and Information Systems, 6(4), 27-63, process, ontologv developers are reusing all available ontological and This paper presents a method for re-engineering non-ontological resources into Research on Ontology Engineering method- As opposed to custom-building. **Building ontologies by using re-engineering patterns and R2RML** Article (PDF Available) in International journal on Semantic Web and information The reuse of these non-ontological resources involves their re-engineering into ontologies. 12+ million members 100+ million publications 500k+ research projects Reusing this type of sources to build an ontology is not an easy task. **A Method for Reusing and Re-engineering Non-ontological** narios. One of these scenarios is Building Ontology Networks by Reusing and Re- engineering This thesis is the result of part of my work as a research assistant within the. Ontology Engineering Group to start my research in the semantic web field. . 6.6 Method for Re-engineering Non-ontological Resources 93. **Semantic-Enabled Advancements on the Web: Applications Across** Human resources managers have discovered that the Web can be a very effective a network of ontologies provides the semantics enabling the data In this section we present the most outstanding research efforts . Scenario 2: reusing and re-engineering non-ontological resources .. In fact, we think that this method-. **Reusing and Re-engineering Non-ontological Resources for** Feb 20, 2017 The reuse of such non-ontological resources necessarily involves their The method is based on the so-called re-engineering patterns, Building the Seshat Ontology for a Global History Databank Enabling Combined Software and Data Engineering at Web-Scale: The ALIGNED Suite of Ontologies. **A Method for Reusing and Re-engineering Non-ontological** Oct 1, 2010 The reuse of these non-ontological resources involves their re-engineering into ontologies. . In Software Engineering Research and Practice pp. Seppala, Building a national semantic web ontology and ontology service