Contributing to the definition of a method for the development of Dublin Core Application Profiles

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Introduction

- Context of the Semantic Web

- A metadata Application Profile (AP): technique used to adapt to the specific needs of a certain community [Lynch, 1997].

- A Dublin Core Application Profile (DCAP): an AP following the rules of the Singapore Framework – c.f. Baker et al. (2008)

- DCAP: a very important instrument to implement semantic interoperability

Problem

- There is no method to develop a DCAP [Curado Malta and Baptista, 2012]

- Only guidelines available to develop a DCAP:
    - Singapore Framework – Baker et al. (2008)
    - DCMI Guidelines for DCAP - Baker and Coyle (2009)

  ➡ None is a method

- Project aims: to contribute to the definition of a Method for the development of Dublin Core Application Profiles - **Me4DCAP**

Research Methodology

- Design science research (DSR)

- DSR aims at the development of innovative artifacts [Simon, 1996]:
    - constructs, models, methods, or instantiations of these 3 artifacts [Hevner, 2007]

- Project's artifact: a method (Me4DCAP)

- DSR approach by Hevner (2007)

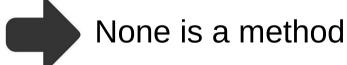- Me4DCAP is in the "exaptation quadrant" - c.f. Gregor and Hevner (2013)

Contributions

- A new Method: Method for the development of Dublin Core Application Profiles (Me4DCAP)

- A new DCAP (DCAP- SSE) for the world community of social and solidarity economy web based information systems

Work done until July 2013

- State of the art of the Web Based Information Systems of the Social and Solidarity Economy – c.f. Curado Malta and Baptista (2013a)

- State of the art of the Metadata Application Profiles of the last decade - paper submitted to the International Journal of Metadata, Semantics and Ontologies; under revisions.

- State of the art on methodologies for the development of a metadata application profile - c.f. Curado Malta and Baptista (2012) and Curado Malta and Baptista (2013b)

- Publication of Me4DCAP – c.f. Curado Malta and Baptista (2013c) and Curado Malta and Baptista (2013d)

- Development of DCAP-SSE (still under construction)

- Validation of Me4DCAP:
    - Non-formal validation of V0.1
    - Preparation of the Focus Groups for validation of V0.2.

Work to be done

WHAT	END
DCAP-SSE development	December 2013
2 Focus Groups	October 2013
Writing the thesis	April 2014

Bibliography
See abstract