The DMP Common Standards Ontology

João Cardoso (joao.m.f.Cardoso@tecnico.ulisboa.pt)
1. Introduction

1.1. Motivation (1/2)

- DMP Common Standards Data Model is available.

- One of the objectives of the WG was to provide reference implementations of the data model.

- There is value to be gained from a semantic representation.
3. DMP Common Standards Ontology

3.1. What is it about?

- We set out to represent the DMP Common Standards Data Model with an ontology.
- The DMP Common Standards Ontology (DCSO)
- An ontology represented using OWL.
3. DMP Common Standards Ontology

3.2. The DCSO Model
4. Application

4.1. Founder’s Requirements Assessment

• Automate the assessment of funder’s requirements

• Two DMP from real life scenarios.

• Two funding agencies.

• Possibility of extending the DCSO according to the context.
4. Application

4.2. The process
4. Application

4.3. DCSO Extension
4. Application

4.4. Example

- The **DMP** abridged **two projects**

- The project **staff**, to calculate researcher’s effort per project.

- Only **one staff member** is associated to **both projects**.

- This staff member **costs** must be covered by both projects.

- **Further extensions** could be used to determine **costs** more accurately.
6. Looking ahead

• This is an ongoing effort.

• One idea is to have this initiative evolve into a DMP Maturity Model

• More DMP Common Standards Model compliant export formats.

• Other ideas or suggestions are appreciated.
7. Poster

- Have a **look** at my **poster**

- DMP Training: A New Methodology

- Stand number 1.
THANK YOU!